

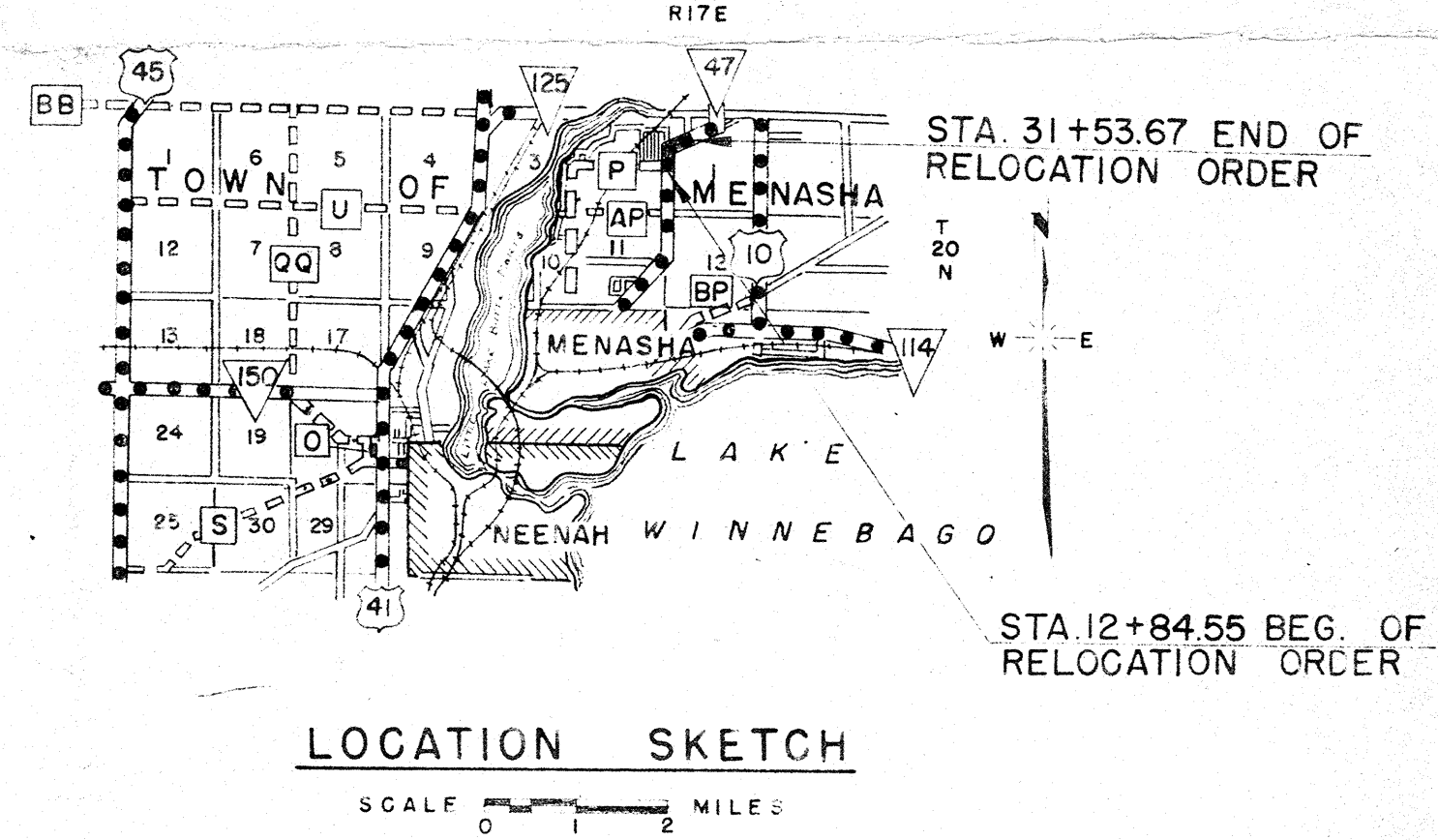
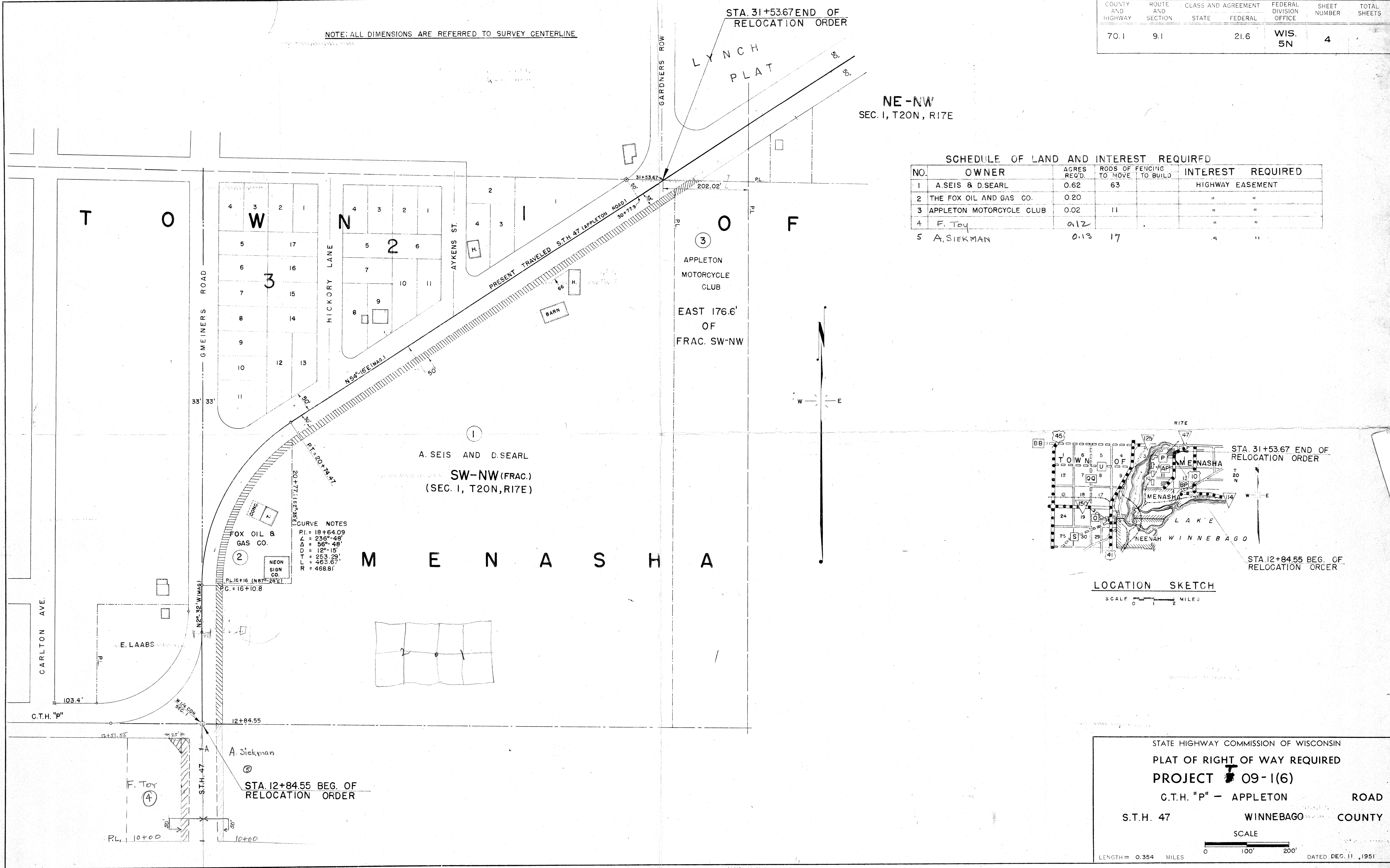
NOTE: ALL DIMENSIONS ARE REFERRED TO SURVEY CENTERLINE

COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT	FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
70.1	9.1	21.6	WIS. 5N	4	

NE-NW  
SEC. 1, T20N, R17E

SCHEDULE OF LAND AND INTEREST REQUIRED

NO.	OWNER	ACRES REQ'D.	RODS OF FENCING TO MOVE	RODS OF FENCING TO BUILD	INTEREST REQUIRED
1	A. SEIS & D. SEARL	0.62	63		HIGHWAY EASEMENT
2	THE FOX OIL AND GAS CO.	0.20			" "
3	APPLETON MOTORCYCLE CLUB	0.02	11		" "
4	F. Toy	0.12			" "
5	A. SIEKMAN	0.13	17		" "

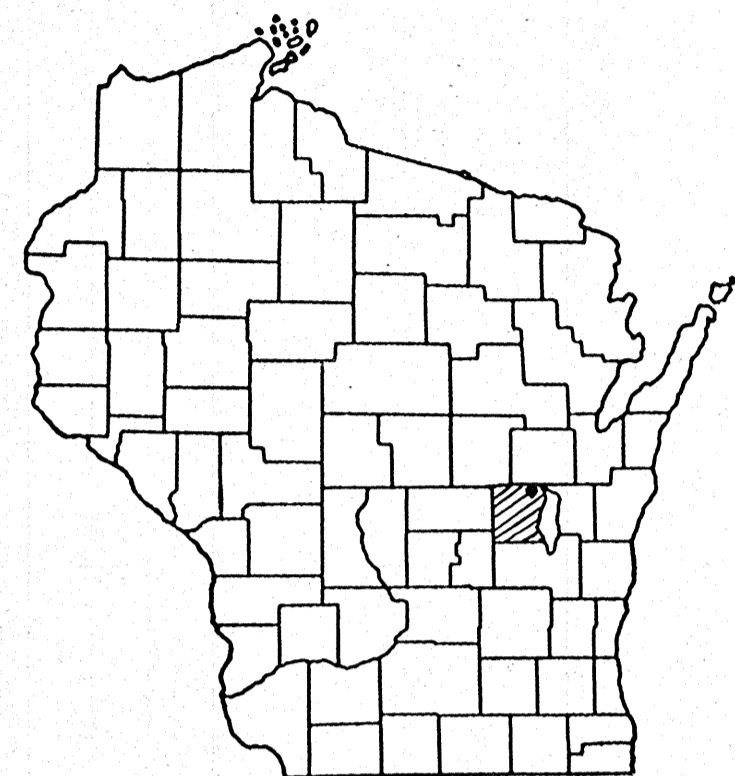


STATE HIGHWAY COMMISSION OF WISCONSIN  
**PLAT OF RIGHT OF WAY REQUIRED**  
**PROJECT T 09-1(6)**  
 C.T.H. "P" - APPLETON ROAD  
 S.T.H. 47 WINNEBAGO COUNTY

SCALE  
 LENGTH = 0.354 MILES  
 0 100' 200'  
 DATED DEC. 11, 1951

**INDEX OF SHEETS**

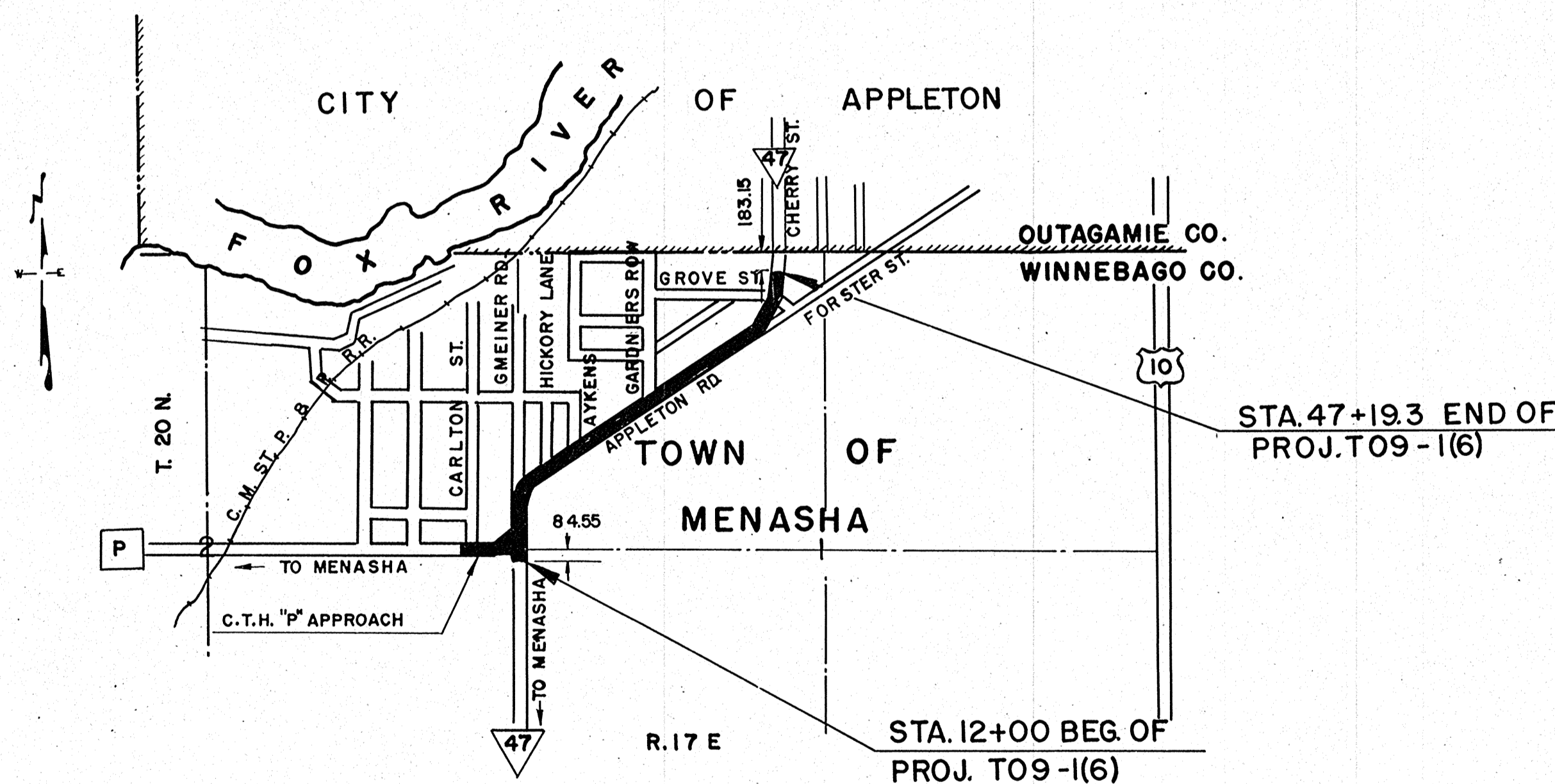
- SHEET NO. 1 TITLE
- SHEET NO. 2-2.5 TYPICAL CROSS SECTIONS & INTERSECTION DETAILS
- SHEET NO. 3 ESTIMATE OF QUANTITIES
- SHEET NO. 3.1 MISCELLANEOUS QUANTITIES
- SHEET NO. 4 RIGHT OF WAY PLAT
- SHEET NO. PLAN AND PROFILE STA. 12+00 TO STA. 47+19.3
- SHEET NO. STANDARD DETAILS
- SHEET NO. DRAINAGE STRUCTURES
- SHEET NO. CROSS SECTIONS



STATE OF WISCONSIN  
STATE HIGHWAY COMMISSION OF WISCONSIN

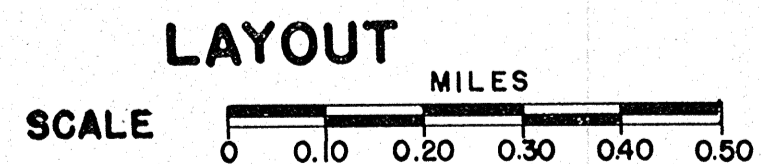
PLAN AND PROFILE OF PROPOSED  
**C.T.H. "P" - APPLETON ROAD**  
WINNEBAGO COUNTY  
PROJECT T09-1 (6)

SCALES { PLAN 1 IN. = 20 FT. & 1 IN. = 50 FT.  
PROFILE HOR. 1 IN. = 50 FT. VERT. 1 IN. = 2 FT.  
CROSS SECTIONS HOR. 1 IN. = 5 FT. VERT. 1 IN. = 5 FT.



**CONVENTIONAL SIGNS**

- |                                |                                       |
|--------------------------------|---------------------------------------|
| STATE LINE.....                | CULVERTS IN PLACE.....                |
| COUNTY LINE.....               | CULVERTS REQUIRED.....                |
| TOWNSHIP OR RANGE LINE.....    | DROP INLET.....                       |
| SECTION LINE.....              | POWER POLE.....                       |
| NEW RIGHT OF WAY LINE.....     | TELEPHONE OR TELEGRAPH POLE.....      |
| PRESENT RIGHT OF WAY LINE..... | RIGHT OF WAY MARKERS.....             |
| WIRE FENCE { WOVEN.....        | REFERENCE STAKE FOR HUBS ONLY.....    |
| { BARBED.....                  | MARSH.....                            |
| LOT LINE.....                  | HEDGE.....                            |
| CORPORATE OR CITY LIMITS.....  | TREES.....                            |
| PROPERTY LINE.....             | GROUND ELEVATION..... DATUM LINE 73.9 |
| TRAVELED WAY OR P.E.....       | GRADE ELEVATION..... DATUM LINE 75.16 |
| RAILROADS.....                 |                                       |
| BASE OR SURVEY LINE.....       |                                       |



COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
70.1	9.1	21.6		WIS. 5N	1	

STATE HIGHWAY COMMISSION OF WISCONSIN MADISON, WIS.	DEPARTMENT OF COMMERCE BUREAU OF PUBLIC ROADS
SURVEYOR <u>N.L.C.</u> NOTE BOOK <u>9586-89</u> DIVISION COMPUTER <u>H.C.A.</u> M. O. CHECKER DIVISION CHECKER <u>J.E.M.</u> CORRECT	RECOMMENDED FOR APPROVAL:
CORRECT: DATE _____ DIVISION ENGINEER	DISTRICT ENGINEER _____ DATE _____
RECOMMENDED FOR APPROVAL: DATE _____ CONSTRUCTION ENGINEER	APPROVED:
APPROVED: DATE _____ STATE HIGHWAY ENGINEER	DIVISION ENGINEER _____ DATE _____
FIELD INVESTIGATED BY: C.C. EMMEL	

# ESTIMATE OF QUANTITIES

CONTRACT NO. 1

THIS PROJECT IS TO BE EXECUTED UNDER THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION OF THE STATE HIGHWAY COMMISSION OF WISCONSIN - EDITION OF 1951

B. P. R. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
WIS. 5N	T 09-106	3	

SEC. NO.	STATION TO STATION	NET LENGTH OF CENTER LINE	CLEARING		GRUBBING		REMOVING PAVEMENT		REMOVING OLD BRIDGE	UNCL.	ROCK	MARSH	BORROW	SAND GRAVEL FILL	FINE GRADING	SHOULDER EMBANKMENT	FINISHING ROADWAY	OBLITERATING OLD ROAD	CONCRETE		GRAVEL OR CRUSHED STONE BASE COURSE	CONCRETE PAVEMENT		CONCRETE HEADERS	CONCRETE SURFACE DRAINS	CONCRETE PAVEMENT REINF.	PREP. ROAD-BED FOR BITUM. SURF.	BITUM. MAT. FOR PRIME COAT	SINGLE AGGR. BIT. SURFACE	BIT. MATERIAL FOR SURFACE COURSE	BITUM. MAT. FOR SURFACE COURSE
			STA.	ACRE	STA.	ACRE	2103-1	2104-21											2106-5	2106-2		2106-4	2109-1								
		UNIT	LIN. FT.	STA.	ACRE	STA.	ACRE	SQ. YD.	L.S.	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	C.Y.	STA.	STA.	SQ. YD.	C.Y.	SQ. YD.	SQ. YD.	SQ. YD.	C.Y.	SQ. YD.	STA.	TONS	TONS	TONS	TONS	
12+00 - 47+19.3		3,519.3		18		18		10,550						19,500							7,100		22,700					1	75	5	
TOT		3,519.3		18		18		10,550						19,500							7,100		22,700					1	75	5	

BRIDGES (STRUCTURES OVER 20 FT. SPAN)																		CULVERTS (STRUCTURES 20 FT. SPAN & UNDER)																		
SEC. NO.	REMOVE OLD BRIDGE STA.	COM-MON EXC.	EXCA-VATION FOR STRUCTURES	SAND GRAVEL FILL	CON-CRETE MASONRY	BAR STEEL REINF.	STRUC-TURAL STEEL	STEEL CAST-INGS	CARBON STEEL FORG-INGS	SHEET LEAD	SHEET ZINC	TR'T'D LUMBER AND TIMBER	UNTR'D TEST PILING	UNTREATED TIMBER PILING		TREATED TIMBER PILING		FLOOR DRAINS	RIP-RAP	REMOVE OLD CULV'T STA.	COM-MON EXC.	EXCA-VATION FOR STRUCTURES	SAND GRAVEL FILL	CON-CRETE MASONRY	BAR STEEL REINF.	STRUC-TURAL STEEL	STEEL CAST-INGS	CARBON STEEL FORG-INGS	SHEET LEAD	SHEET ZINC	TR'T'D LUMBER AND TIMBER	UNTR'D TEST PILING	TREATED TIMBER PILING		FLOOR DRAINS	RIP-RAP
														DELIV-ERED	DRIV-EN	DELIV-ERED	DRIV-EN																DELIV-ERED	DRIV-EN		
		L.S.	C.Y.	C.Y.	C.Y.	LB.	LB.	LB.	LB.	LB.	LB.	M.B.M.	L.S.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	EACH	C.Y.	L.S.	C.Y.	C.Y.	C.Y.	C.Y.	LB.	LB.	LB.	LB.	LB.	LB.	M.B.M.	L.S.	LIN. FT.	LIN. FT.	EACH	C.Y.
2104-21		2106-1	2107-1	2110-1	2401-1	2406-2	2407-	2407-3	2407-4	2407-9	2407-11	2408-2	2501-1	2501-2	2501-3	2501-4	2501-5	2507-1	2512-1	2104-1	2106-1	2107-2	2110-1	2404-1	2406-3	2407-	2407-3	2407-4	2407-9	2407-11	2408-2	2501-1	2501-4	2501-5	2507-1	2512-1
		L.S.	C.Y.	C.Y.	C.Y.	LB.	LB.	LB.	LB.	LB.	LB.	M.B.M. <td>L.S.</td> <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>EACH <td>C.Y. <td>L.S.</td> <td>C.Y.</td> <td>C.Y.</td> <td>C.Y.</td> <td>C.Y.</td> <td>LB.</td> <td>LB.</td> <td>LB.</td> <td>LB.</td> <td>LB.</td> <td>M.B.M. <td>L.S.</td> <td>LIN. FT. <td>LIN. FT. <td>EACH <td>C.Y.</td> </td></td></td></td></td></td></td></td></td></td>	L.S.	LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>EACH <td>C.Y. <td>L.S.</td> <td>C.Y.</td> <td>C.Y.</td> <td>C.Y.</td> <td>C.Y.</td> <td>LB.</td> <td>LB.</td> <td>LB.</td> <td>LB.</td> <td>LB.</td> <td>M.B.M. <td>L.S.</td> <td>LIN. FT. <td>LIN. FT. <td>EACH <td>C.Y.</td> </td></td></td></td></td></td></td></td></td>	LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>EACH <td>C.Y. <td>L.S.</td> <td>C.Y.</td> <td>C.Y.</td> <td>C.Y.</td> <td>C.Y.</td> <td>LB.</td> <td>LB.</td> <td>LB.</td> <td>LB.</td> <td>LB.</td> <td>M.B.M. <td>L.S.</td> <td>LIN. FT. <td>LIN. FT. <td>EACH <td>C.Y.</td> </td></td></td></td></td></td></td></td>	LIN. FT. <td>LIN. FT. <td>EACH <td>C.Y. <td>L.S.</td> <td>C.Y.</td> <td>C.Y.</td> <td>C.Y.</td> <td>C.Y.</td> <td>LB.</td> <td>LB.</td> <td>LB.</td> <td>LB.</td> <td>LB.</td> <td>M.B.M. <td>L.S.</td> <td>LIN. FT. <td>LIN. FT. <td>EACH <td>C.Y.</td> </td></td></td></td></td></td></td>	LIN. FT. <td>EACH <td>C.Y. <td>L.S.</td> <td>C.Y.</td> <td>C.Y.</td> <td>C.Y.</td> <td>C.Y.</td> <td>LB.</td> <td>LB.</td> <td>LB.</td> <td>LB.</td> <td>LB.</td> <td>M.B.M. <td>L.S.</td> <td>LIN. FT. <td>LIN. FT. <td>EACH <td>C.Y.</td> </td></td></td></td></td></td>	EACH <td>C.Y. <td>L.S.</td> <td>C.Y.</td> <td>C.Y.</td> <td>C.Y.</td> <td>C.Y.</td> <td>LB.</td> <td>LB.</td> <td>LB.</td> <td>LB.</td> <td>LB.</td> <td>M.B.M. <td>L.S.</td> <td>LIN. FT. <td>LIN. FT. <td>EACH <td>C.Y.</td> </td></td></td></td></td>	C.Y. <td>L.S.</td> <td>C.Y.</td> <td>C.Y.</td> <td>C.Y.</td> <td>C.Y.</td> <td>LB.</td> <td>LB.</td> <td>LB.</td> <td>LB.</td> <td>LB.</td> <td>M.B.M. <td>L.S.</td> <td>LIN. FT. <td>LIN. FT. <td>EACH <td>C.Y.</td> </td></td></td></td>	L.S.	C.Y.	C.Y.	C.Y.	C.Y.	LB.	LB.	LB.	LB.	LB.	M.B.M. <td>L.S.</td> <td>LIN. FT. <td>LIN. FT. <td>EACH <td>C.Y.</td> </td></td></td>	L.S.	LIN. FT. <td>LIN. FT. <td>EACH <td>C.Y.</td> </td></td>	LIN. FT. <td>EACH <td>C.Y.</td> </td>	EACH <td>C.Y.</td>	C.Y.	

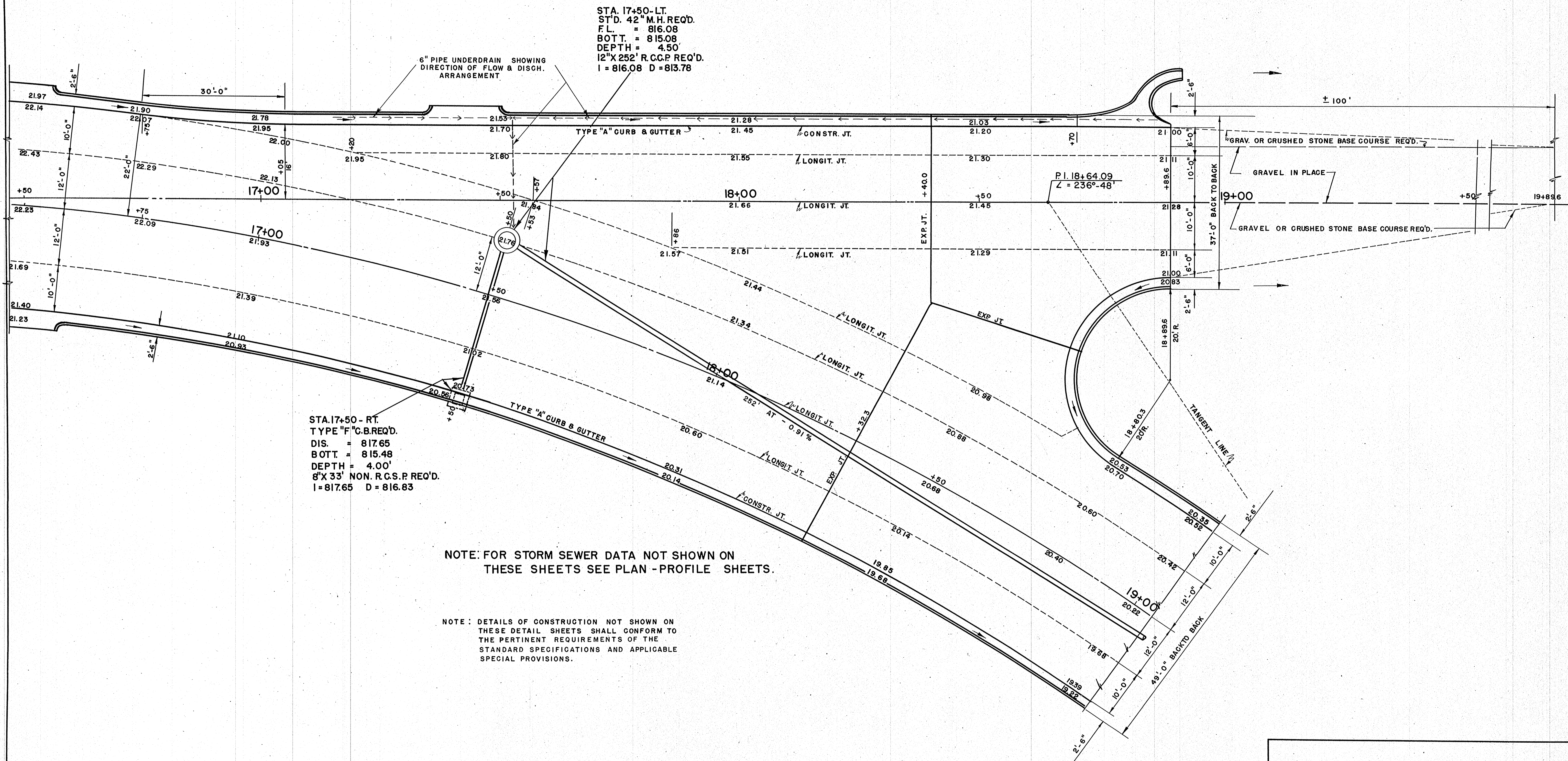
SEC. NO.	RUBBLE MASONRY		CULVERT								PIPE		RIP-RAP	HEAVY RIPRAP	RUBBLE PAVING		DITCH CHECKS	PIPE UNDER DRAIN	STORM SEWER				CATCH BASINS	MANHOLES	INLETS	CONCRETE			GUARD CABLE	FENCE	MARK-ER POSTS FOR R-O-W	CALCIUM CHLORIDE SURFACE TREATMENT	TOP-SOIL	SAL-VAGED TOP-SOIL	FER-TIL-IZER	SEEDING	SOD-DING	2" W.I. PIPE FOR TRAFFIC SIGNAL CABLE	2 1/2" DUCT FOR TRAFFIC SIGNAL DETECTOR								
	MORTAR (PIPE ENDWL)	DRY (TREE WELLS)	18"	48"												NON-R.C.C.P.			R.C.C.P.	TYPE	ST'D DIA.	ADJUST COVER				TYPE	TYPE "B" CURB	TYPE "A" CURB AND GUTTER												TYPE "C" CURB		TIMBER RAIL	ANCHOR AGES FOR CABLE				
		C.Y.	C.Y.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	C.Y.	C.Y.	SQ. YD.	SQ. YD.	C.Y.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	EACH	EACH	EACH	EACH	EACH	EACH	EACH	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.	LIN. FT.					
2409-2		2409-3	2411-	2411-	2411-31	2411-32	2411-	2411-	2411-	2411-	2411-	2411-	2512-1	2512-2	2515-1	2515-2	2516-	2516-	S.P.	2519-11	2519-41	2519-42	2519-	2520-1	2520-	2520-11	2520-71	2520-	2520-	2521-1	2521-3	2521-2	2523-1	2523-2	2523-5	2523-3	2523-4	2525-1	2528-1	2528-2	2531-1	2532-1	2533-1	S.P.	S.P.		
		C.Y.	C.Y.	LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. </td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td></td>	LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. FT. <td>LIN. 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12		20			32	112							15			30			8100	689	1152	1538		20		12	3			600	7,700	90				13			14000		26	14000		172	53		
TOT		12	20		32	112							15			30			8,100	689	1,152	1,538		20		12	3			600	7,700	90				13			14,000		26	14,000		172	53		

# DETAIL SUMMARY SHEET OF MISCELLANEOUS QUANTITIES

PROJECT	SHEET NUMBER	TOTAL SHEETS
T 09-106	3.1	

UNCLASSIFIED EXCAVATION		CLEARING & GRUBBING			FINISHING ROADWAY		GRAVEL OR CRUSHED STONE BASE COURSE			6" PIPE UNDERDRAIN				PIPE CULVERTS									
STATION TO STATION	CU. YDS.	STATION TO STATION	CLEARING STA.	GRUBBING STA.	STATION TO STATION	STA.	FOR UNDER CONC. PAV'T. CU. YDS.	FOR RE., SD. RDS. & SHLDRS. CU. YDS.	TOTAL CU. YDS.	STATION TO STATION	LOCATION			LIN. FT.	SEC. NO.	STATION	DIAMETER INCHES	LENGTH LIN. FT.	TYPE	C RDY	P.E. & S.R.		M. R. M. END WALLS
											E	L	R								L	R	
MAIN LINE	17,630	21+00 - 22+00	1	1	10+00 - 47+19.3 MAIN LINE	37.2	5,900	1,200	7,100	C.T.H. "P"						11+43	18	32	R.C.C.P.		L		20'
C.T.H. "P"	1,228	27+00 - 32+00	5	5	8+00 - 13+50 "B" LINE C.T.H. "P"	5.5				9'B'+09 - 13'B'+60			R	455'		30+95	42	112	R.C.C.P.	⊕			10 C'
GMEINER ROAD	459	33+00 - 35+00	2	2	12+50 - 14+10 "C" CURVE C.T.H. "P"	1.6				9'B'+09 - 14'C'+78		L	550'										
UNDISTRIBUTED	183	36+00 - 37+00	1	1	18+00 - 18+89.6 GMEINER RD.	1.0				12'C" TL.+84 - 13'C" TL.+43		L	58'										
		38+00 - 42+00	4	4	43+00 - 43+59.7 FORSTER ST.	0.7																	
		43+00 - 45+00	2	2						MAIN LINE													
		UNDISTRIBUTED	3	3						11+65 - 12+73.2		L	112'										
										13+22.5 - 13+88.5		L	74'										
										15+00 (MAIN L.) - 18+89.6 (GMEINER RD.)		L	390'										
										17+53 (GMEINER RD.)	⊕		25'										
										11+56 (MAIN L.) - 43+60 (FORSTER ST.)		R	3,181'										
										18+80.3 - 47+19.3		L	2,809'										
										44+00 - 45+31		R	137'										
										45+67 - 47+19.3 (FORSTER ST.)		R	171'										
										46+71.2	⊕		78'										
										UNDISTRIBUTED			60'										

P. R. A. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
WIS 5N	T 09-1(6)	2.2	



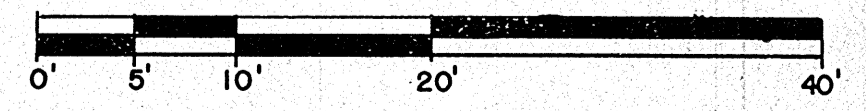
STA. 17+50-LT.  
 ST'D. 42" M.H. REQ'D.  
 F.L. = 816.08  
 BOTT. = 815.08  
 DEPTH = 4.50  
 12" X 252' R.C.C.P. REQ'D.  
 I = 816.08 D = 813.78

STA. 17+50-RT.  
 TYPE "F" C.B. REQ'D.  
 DIS. = 817.65  
 BOTT. = 815.48  
 DEPTH = 4.00'  
 8' X 33' NON. R.C.S.P. REQ'D.  
 I = 817.65 D = 816.83

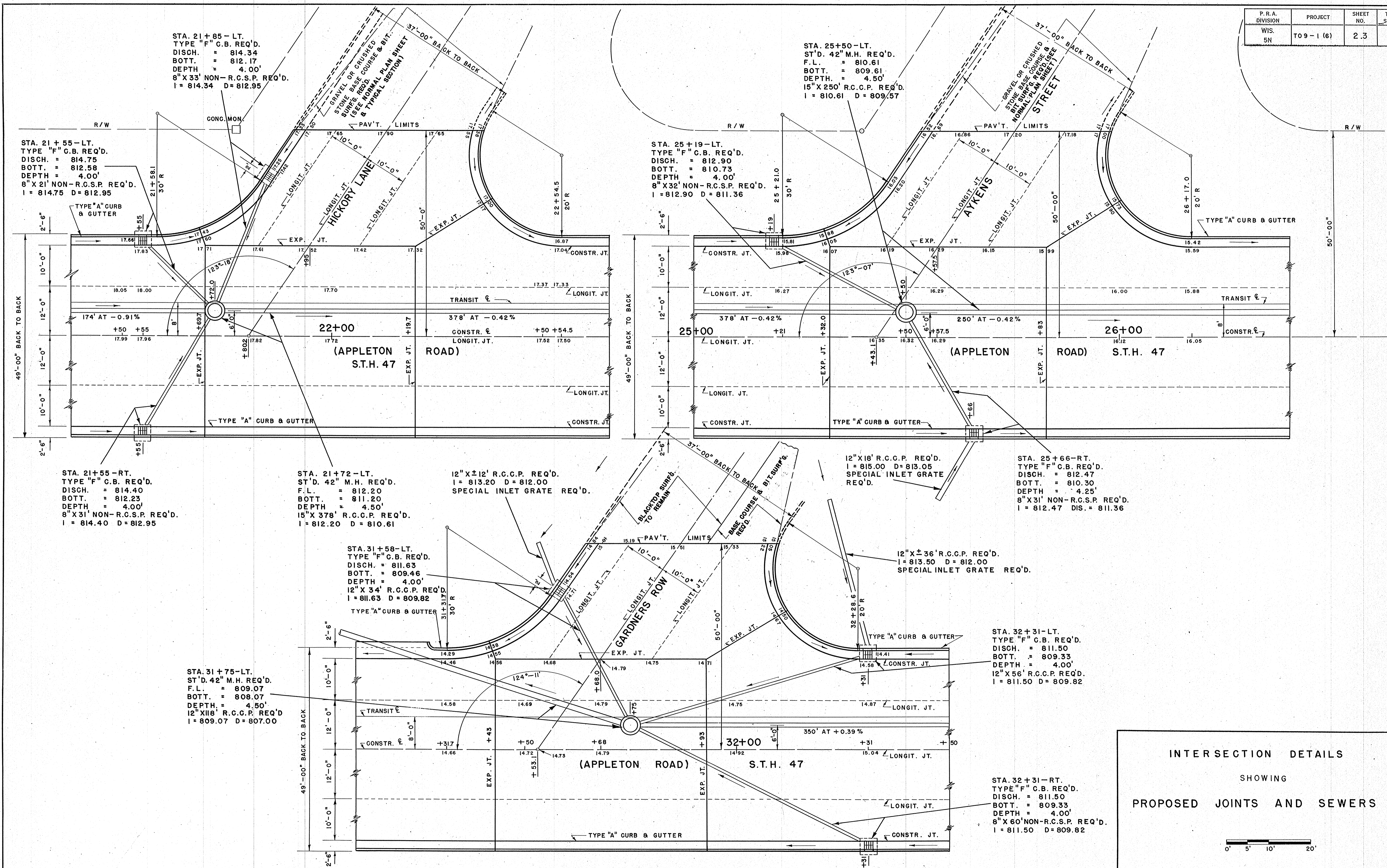
NOTE: FOR STORM SEWER DATA NOT SHOWN ON THESE SHEETS SEE PLAN - PROFILE SHEETS.

NOTE: DETAILS OF CONSTRUCTION NOT SHOWN ON THESE DETAIL SHEETS SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND APPLICABLE SPECIAL PROVISIONS.

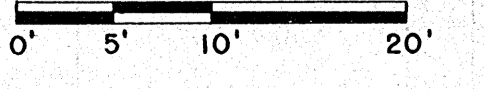
INTERSECTION DETAILS  
 AT GMEINER ROAD  
 SHOWING  
 PROPOSED JOINTS AND SEWERS



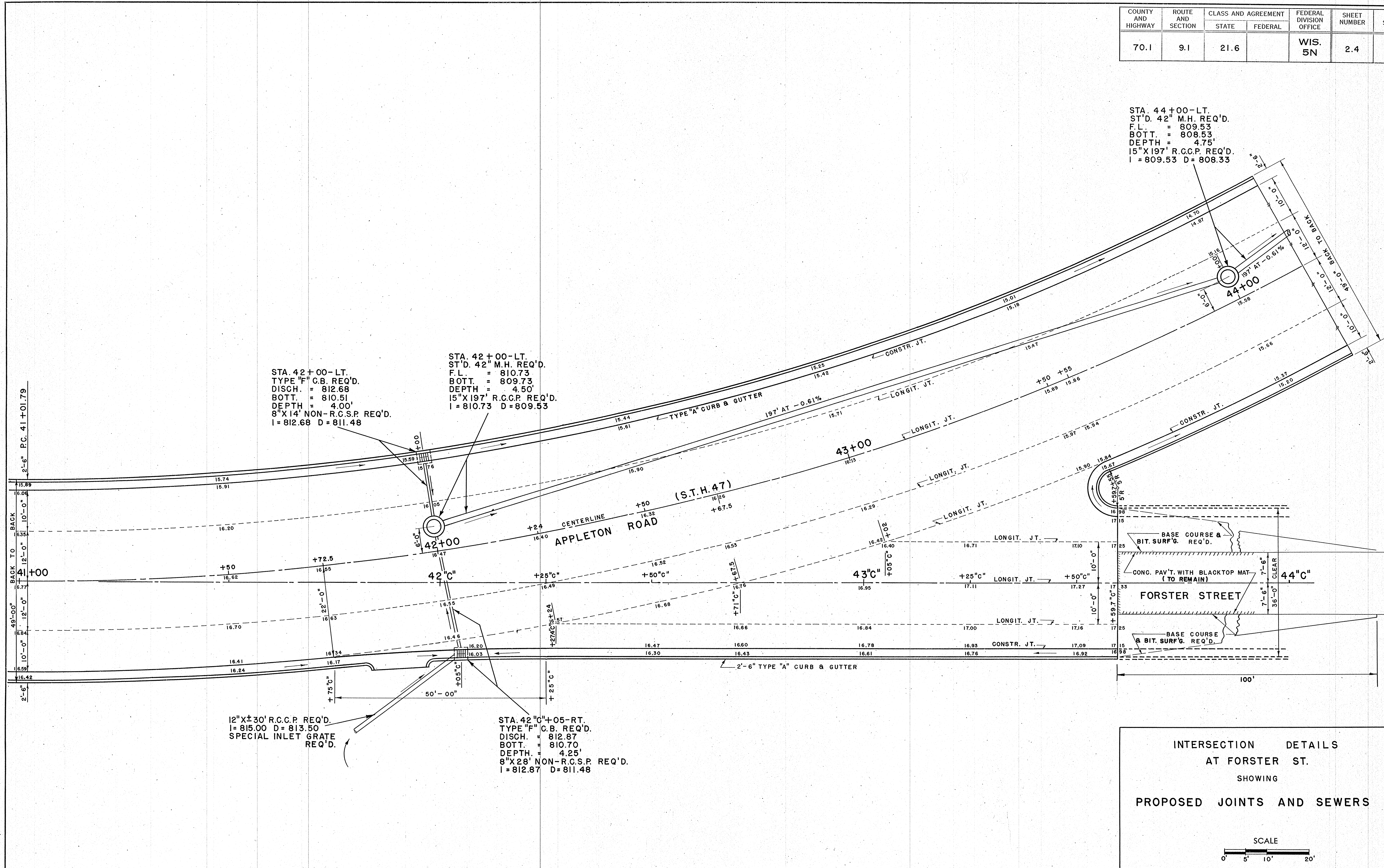
P.R.A. DIVISION	PROJECT	SHEET NO.	TOTAL SHEETS
WIS. SN	TO 9-1 (6)	2.3	



INTERSECTION DETAILS  
SHOWING  
PROPOSED JOINTS AND SEWERS



COUNTY AND HIGHWAY	ROUTE AND SECTION	CLASS AND AGREEMENT		FEDERAL DIVISION OFFICE	SHEET NUMBER	TOTAL SHEETS
		STATE	FEDERAL			
70.1	9.1	21.6		WIS. 5N	2.4	



STA. 42+00-LT.  
 TYPE "F" C.B. REQ'D.  
 DISCH. = 812.68  
 BOT. = 810.51  
 DEPTH = 4.00'  
 8" X 14" NON-R.C.S.P. REQ'D.  
 I = 812.68 D = 811.48

STA. 42+00-LT.  
 ST'D. 42" M.H. REQ'D.  
 F.L. = 810.73  
 BOT. = 809.73  
 DEPTH = 4.50'  
 15" X 19" R.C.C.P. REQ'D.  
 I = 810.73 D = 809.53

STA. 44+00-LT.  
 ST'D. 42" M.H. REQ'D.  
 F.L. = 809.53  
 BOT. = 808.53  
 DEPTH = 4.75'  
 15" X 19" R.C.C.P. REQ'D.  
 I = 809.53 D = 808.33

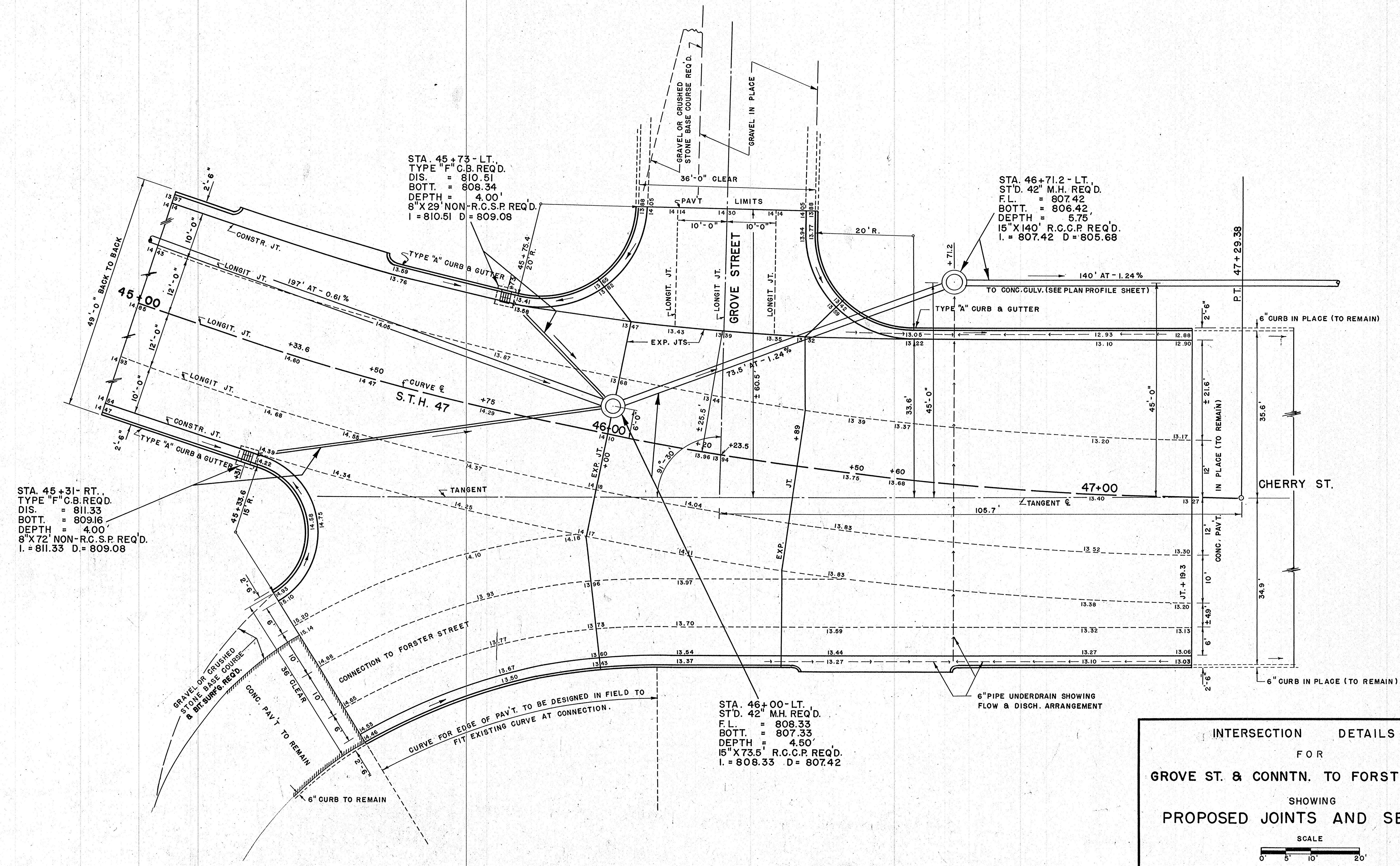
12" X 30" R.C.C.P. REQ'D.  
 I = 815.00 D = 813.50  
 SPECIAL INLET GRATE REQ'D.

STA. 42+C+05-RT.  
 TYPE "F" C.B. REQ'D.  
 DISCH. = 812.87  
 BOT. = 810.70  
 DEPTH = 4.25'  
 8" X 28" NON-R.C.S.P. REQ'D.  
 I = 812.87 D = 811.48

**INTERSECTION DETAILS  
 AT FORSTER ST.  
 SHOWING  
 PROPOSED JOINTS AND SEWERS**

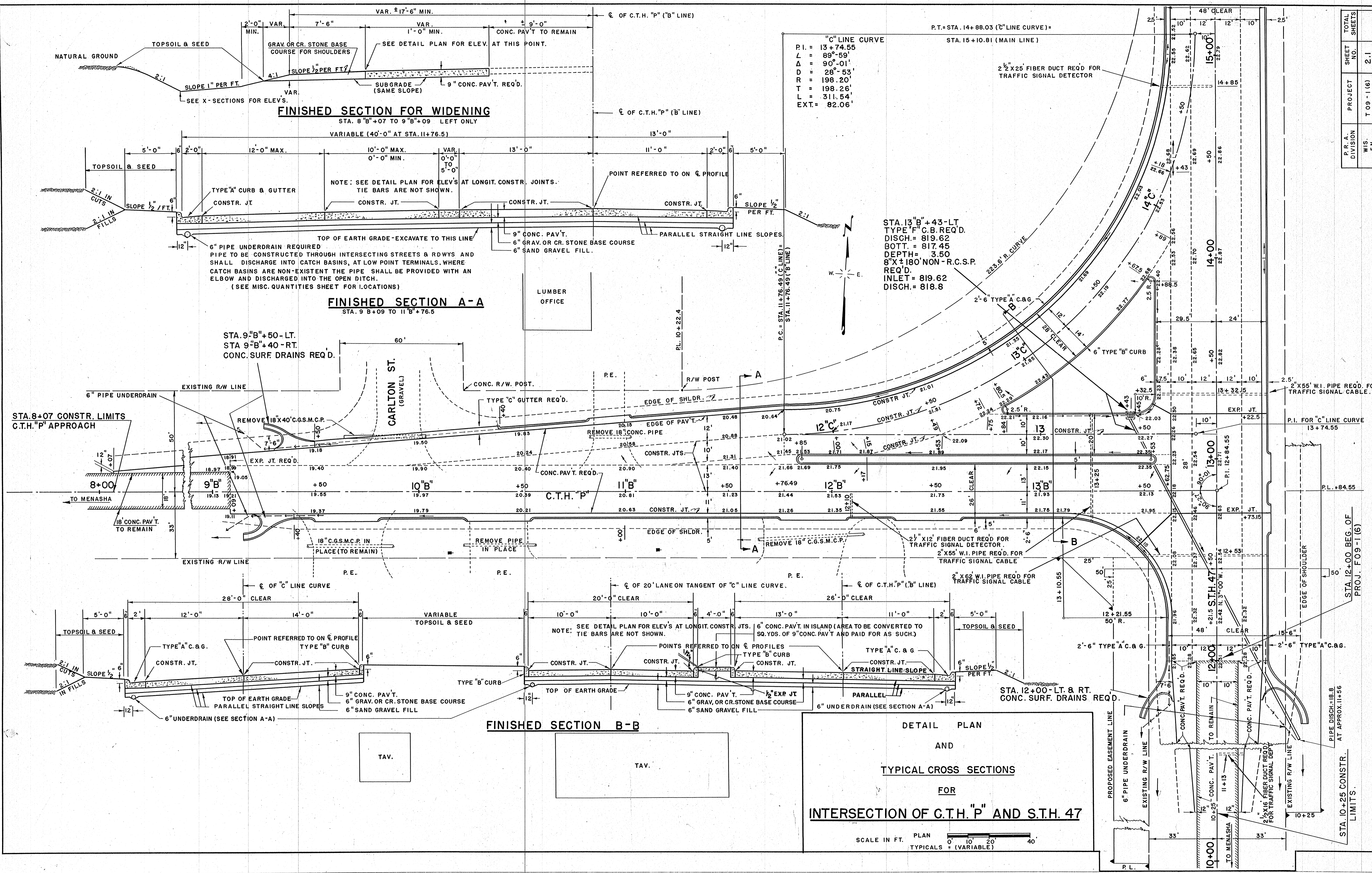
SCALE  
 0' 5' 10' 20'

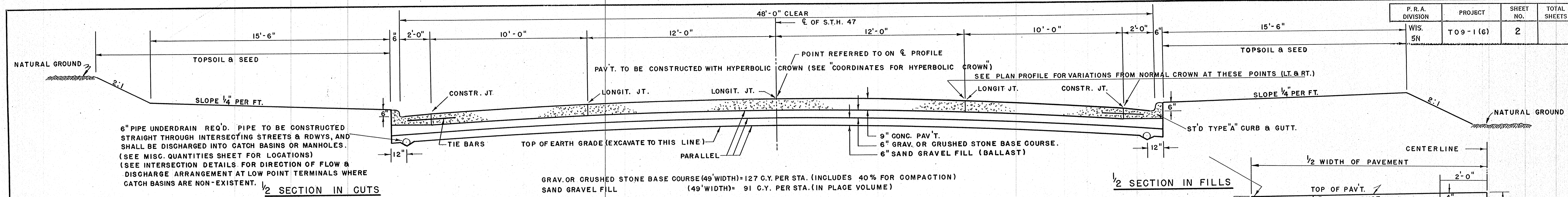
FED. ROAD DIV. NO.	STATE	PROJ. NO.	SHEET NO.	TOTAL SHEETS
5 N	WISC.	T 09-1(16)	2.5	



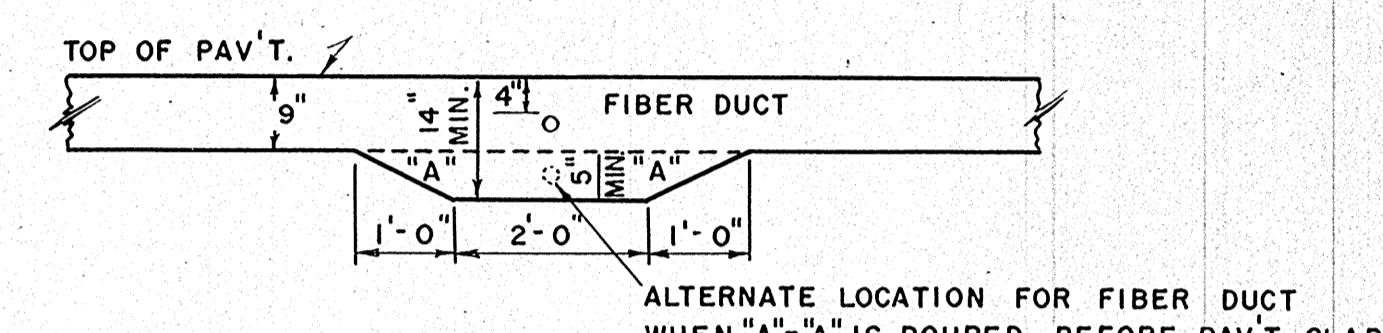
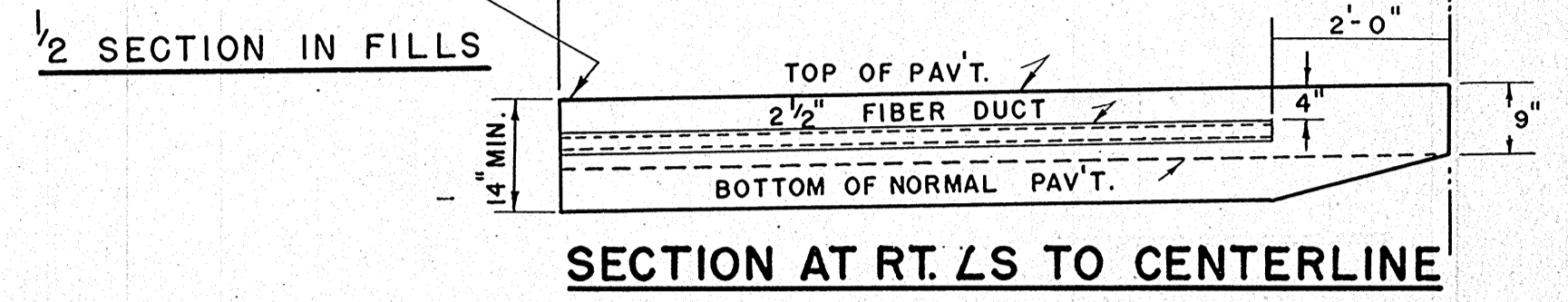


TOTAL SHEETS	
SHEET NO.	2.1
PROJECT	T 09-116
P. R. A. DIVISION	W.S.
W.S. SN	5.11

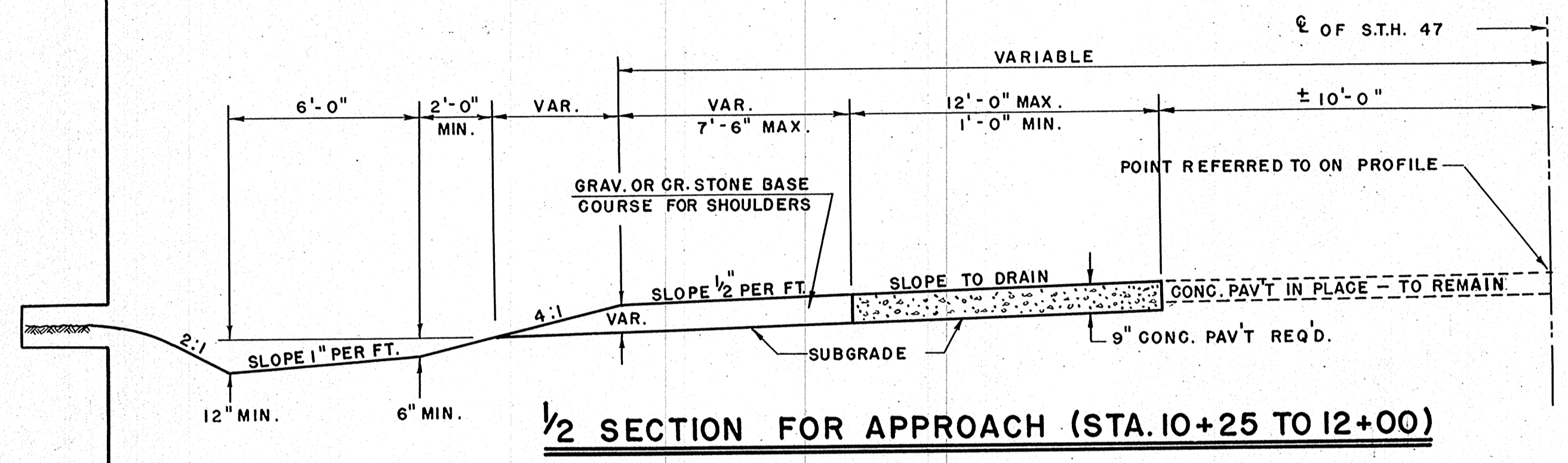




**NORMAL FINISHED SECTION**



**DETAILS FOR PLACEMENT OF FIBER DUCT FOR TRAFFIC SIGNAL DETECTOR**

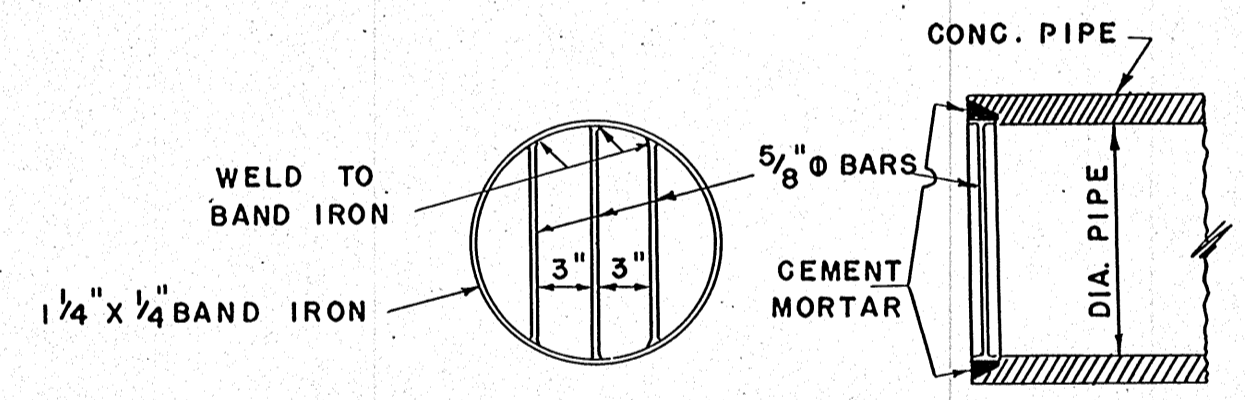
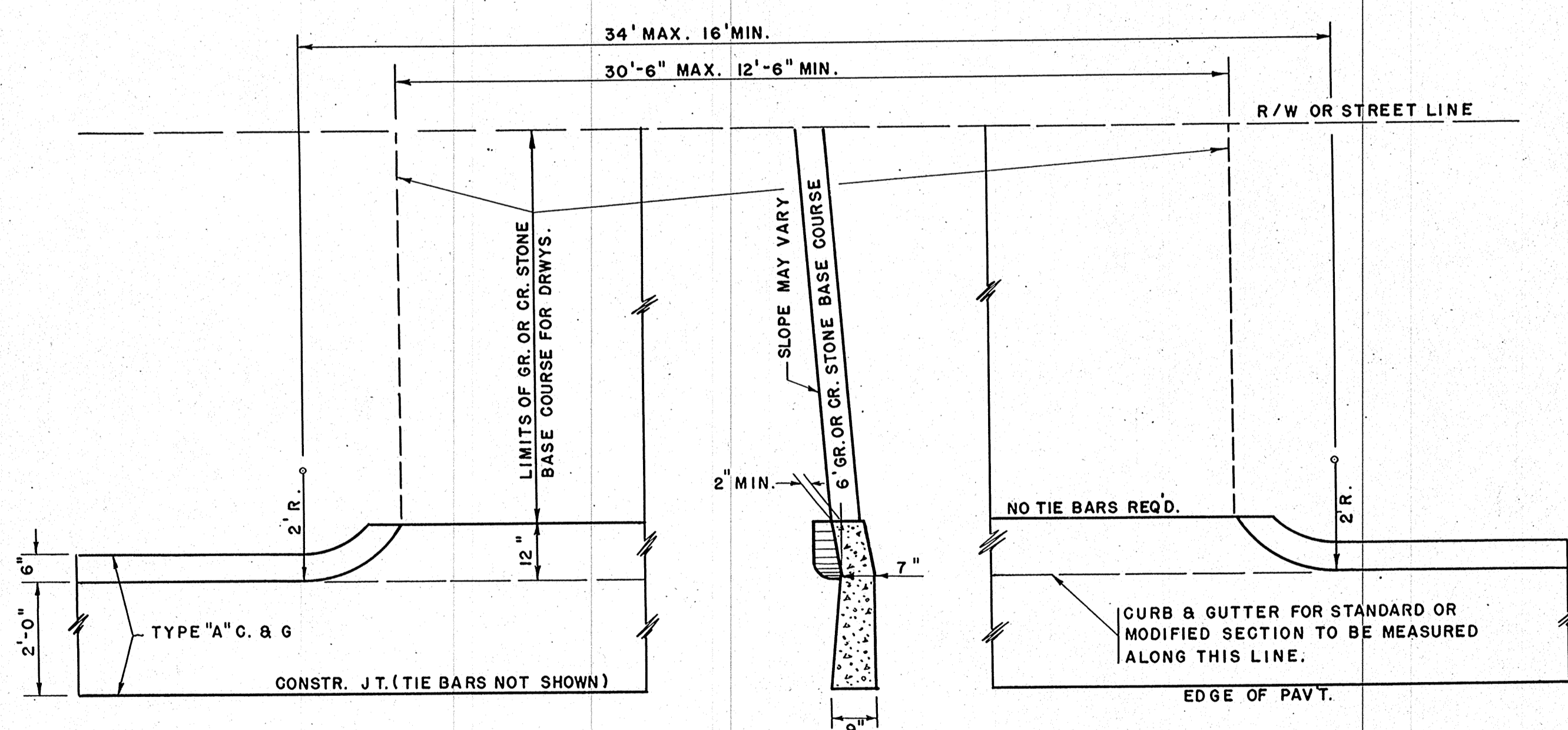


**COORDINATES FOR HYPERBOLIC CROWN**

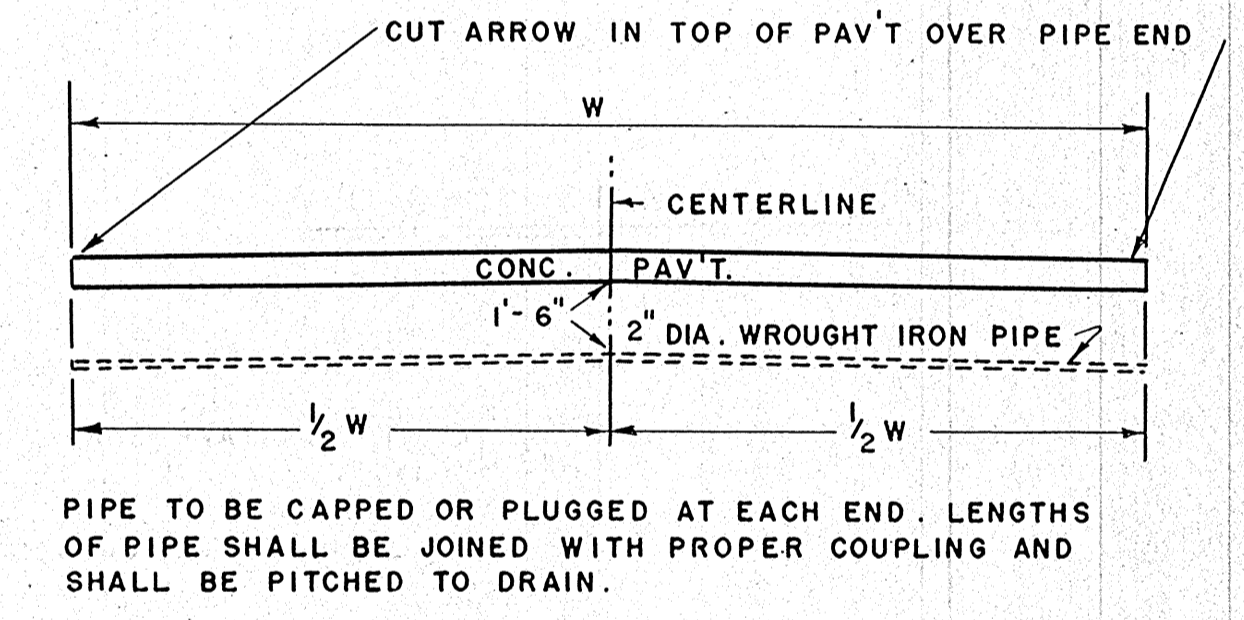
"X" IN FEET	"Y" IN INCHES
0'	0.02"
1'	0.06"
2'	0.14"
3'	0.26"
4'	0.40"
5'	0.57"
6'	0.76"
7'	0.98"
8'	1.22"
9'	1.48"
10'	1.75"
11'	2.05"
12'	2.35"
13'	2.67"
14'	3.00"
15'	3.33"
16'	3.68"
17'	4.03"
18'	4.40"
19'	4.77"
20'	5.14"
21'	5.52"
22'	

NOTE:  $Y = \sqrt{\frac{X^2}{5} + 36} - 6$

**COORDINATES FOR HYPERBOLIC CROWN**



**SPEC. INLET GRATE FOR SEWER PIPE**

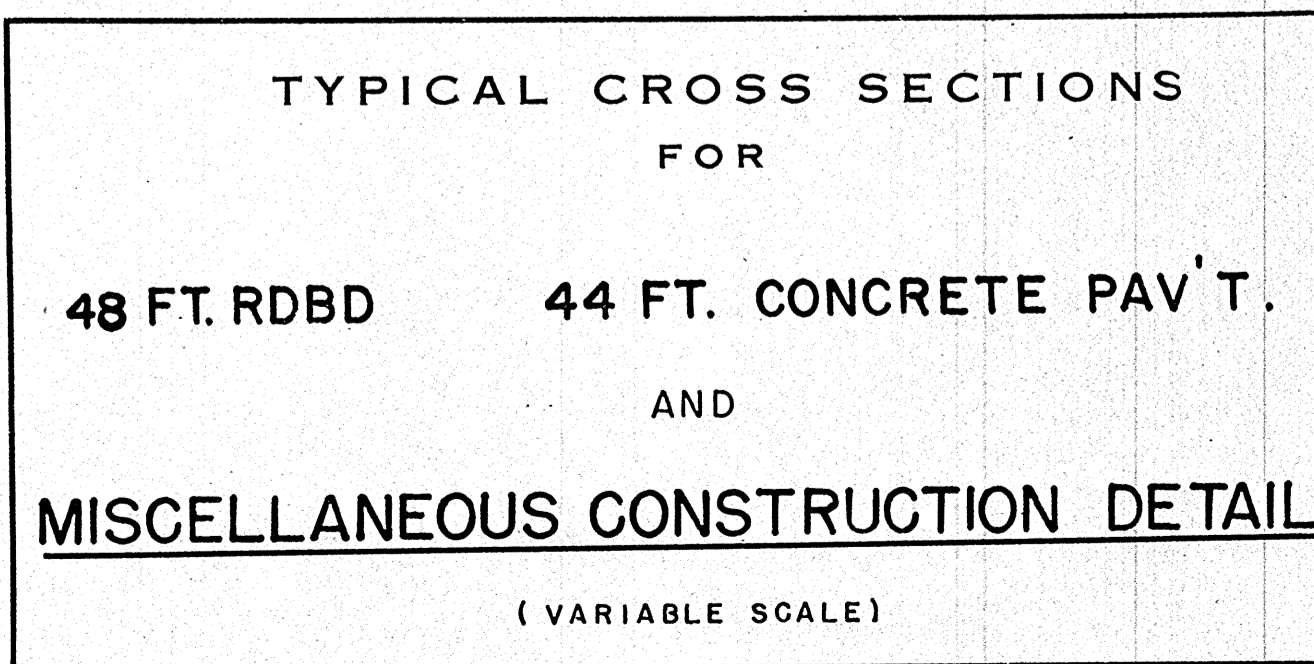
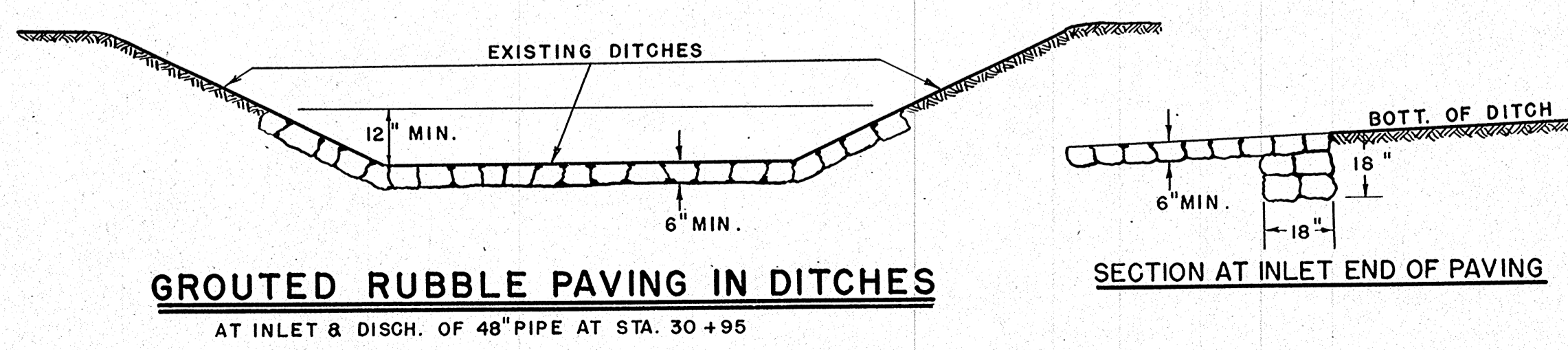
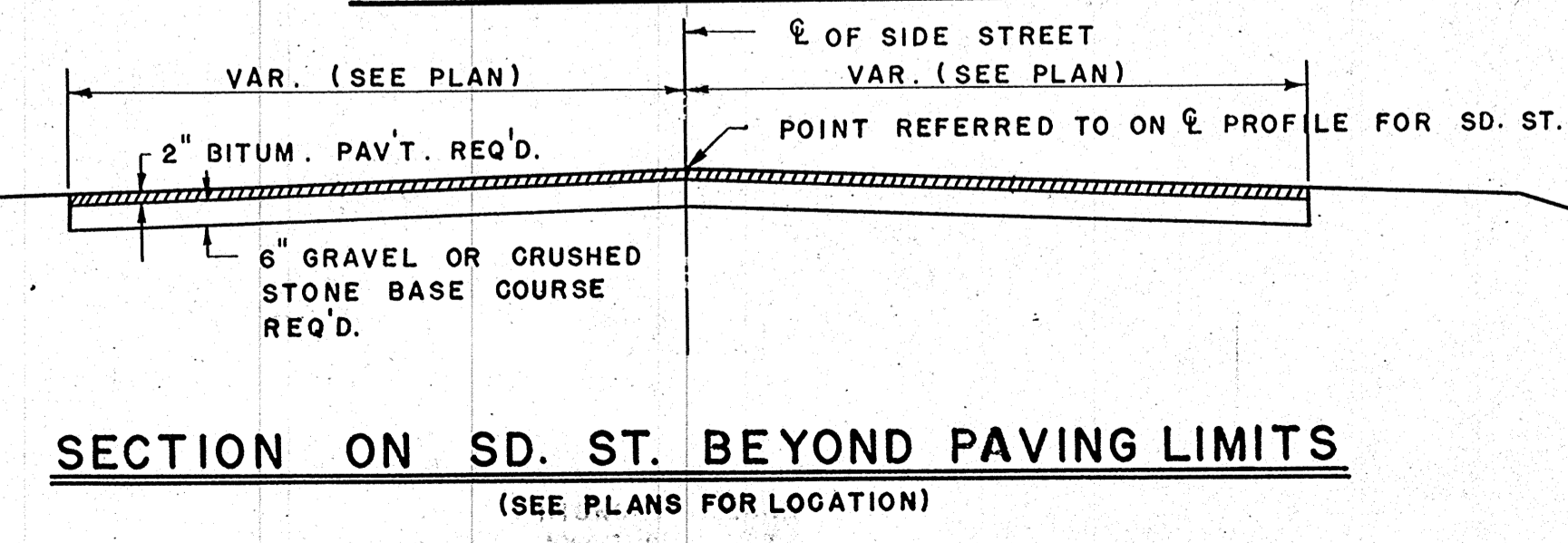


**DETAILS FOR PLACEMENT OF W.I. PIPE CONDUIT FOR TRAFFIC SIGNAL CABLE.**

**GENERAL NOTES**

CONSTRUCTION DETAILS NOT SHOWN HERE SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS, APPROVED STD DRAWINGS, AND THE APPLICABLE SPECIAL PROVISIONS. THIS PROJECT IS DESIGNED FOR 2-12' FT. TRAVEL LANES AND 2-12' FT. PARALLEL PARKING LANES.

- APPROVED STANDARD DRAWINGS:**
- 3-1.1.3 CONC. CURB, GUTTER, COMB. CURB & GUTTER, SURFACE DRAIN
  - 4-4.4.1 JOINT DETAILS
  - 5-1.6.1 CATCH BASIN-TYPE "F"
  - 5-3.2.1 MANHOLE - 42" DIA.
  - 6-1.1.1 TREE PRESERVATION DETAILS
  - 6-3.1.1 CULVERT ENDWALLS (M.R.M. TYPE "A")
  - 7-1.2.2 MARKER POSTS FOR RIGHT OF WAY
  - 7-4.1.1 CONSTRUCTION BARRICADE



BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
1	9+25 "B"	SPIKE IN POWER POLE 33' R	818.79
2	13+00	PT. X ON CONC. TREE WELL 162' R	822.37

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
5N	T 09-1(6)		

DATE	BY
4-52	N. L. C.
	D. J. B.

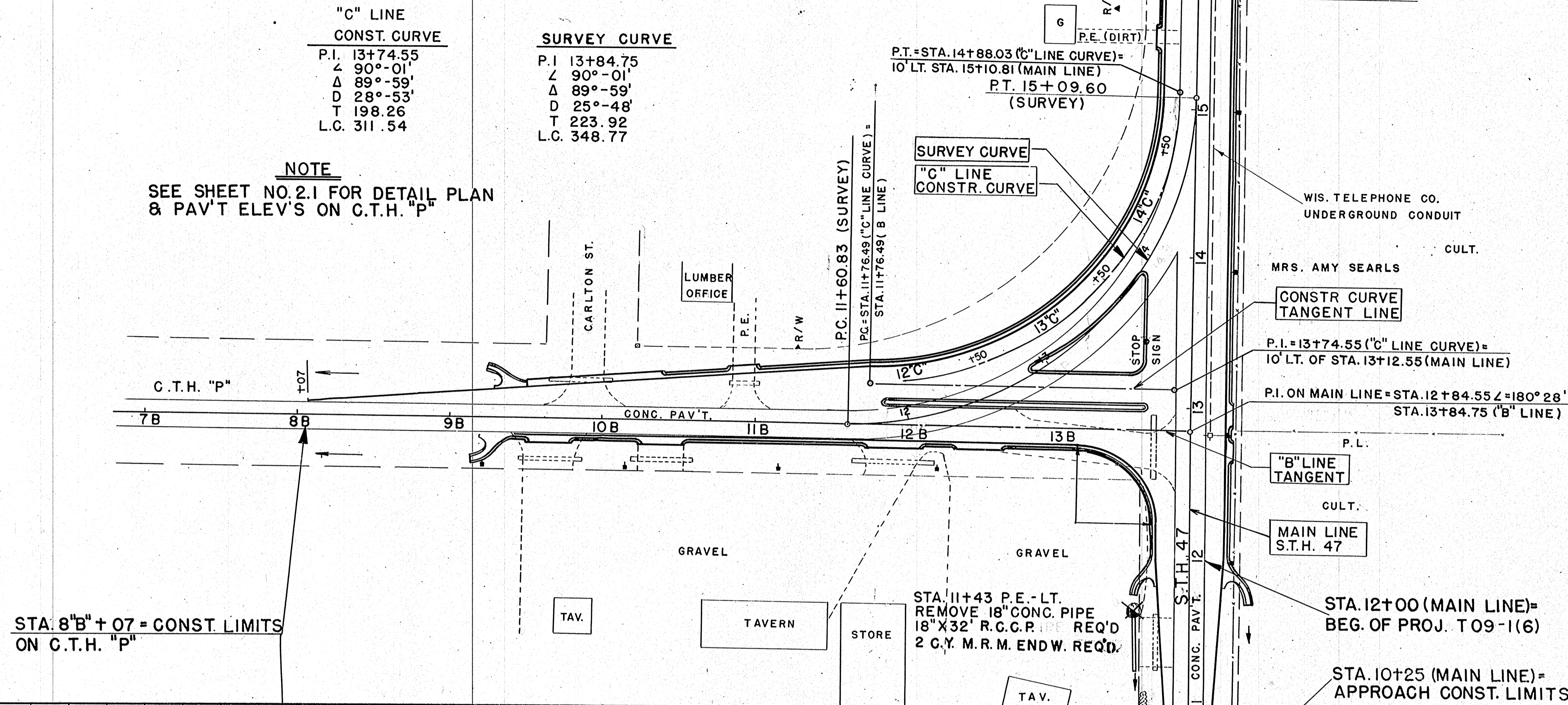
  

DATE	BY
4-52	N. L. C.
	D. J. B.

DATE	BY
4-52	N. L. C.
	D. J. B.

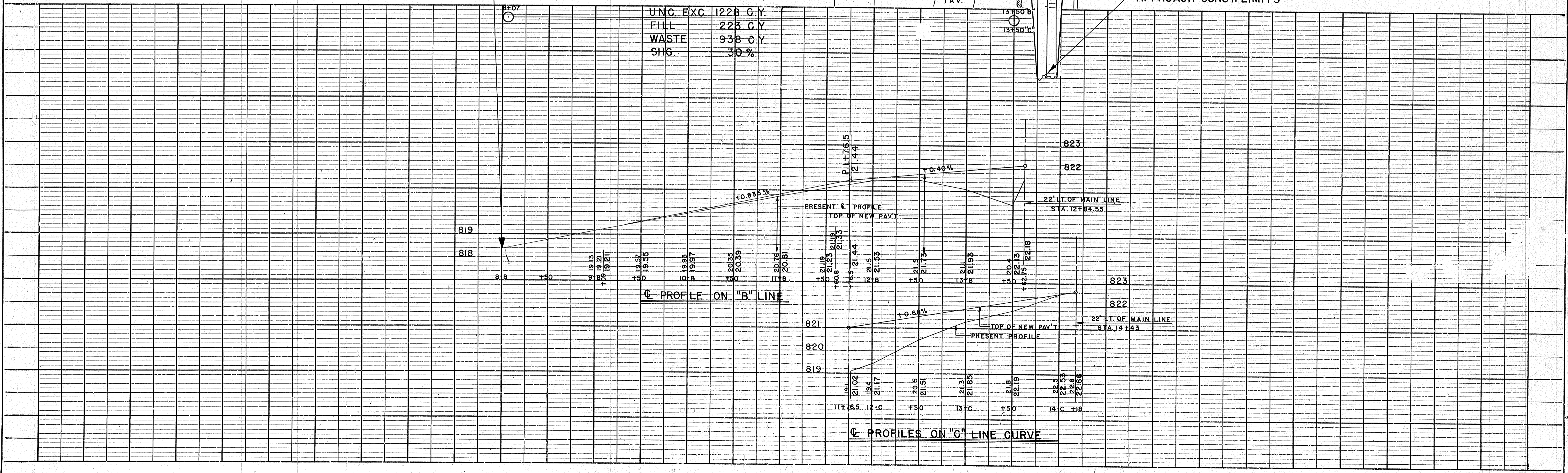
  

DATE	BY
4-52	N. L. C.
	D. J. B.



STA. 8"B" + 07 = CONST. LIMITS ON C.T.H. "P"

UNC. EXC.	1228 C.Y.
FILL	225 C.Y.
WASTE	938 C.Y.
SHG.	30%



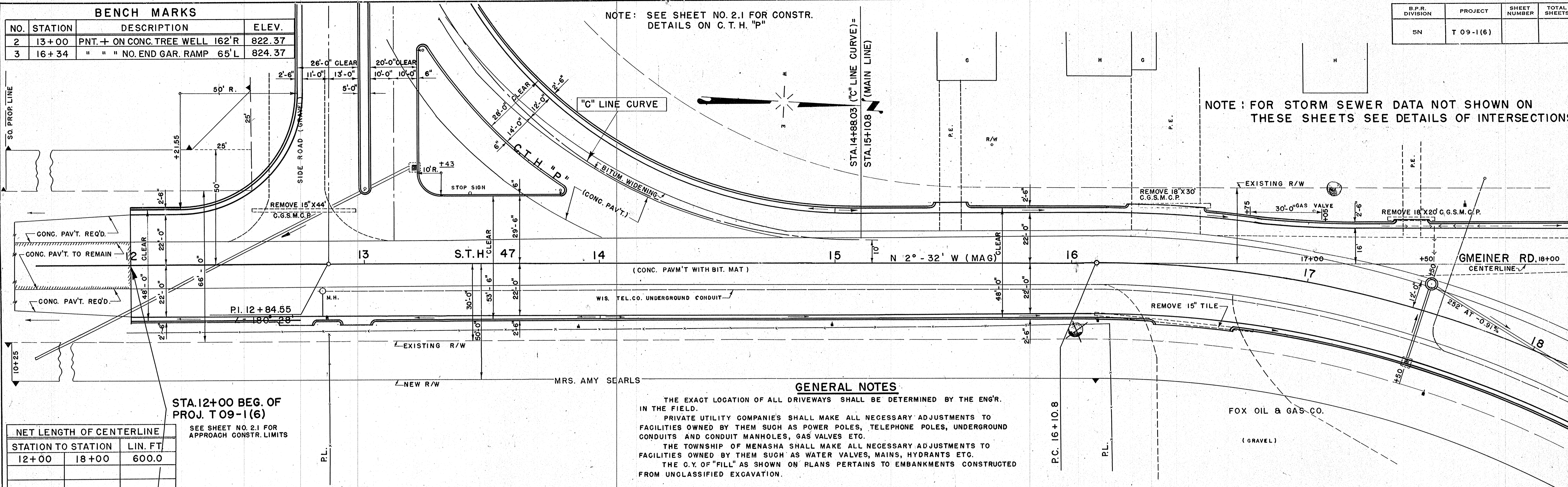
B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
SN	T 09-1(6)		

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
2	13+00	PNT. + ON CONC. TREE WELL 162'R	822.37
3	16+34	" " " NO. END GAR. RAMP 65'L	824.37

NOTE: SEE SHEET NO. 2.1 FOR CONSTR. DETAILS ON C.T.H. "P"

NOTE: FOR STORM SEWER DATA NOT SHOWN ON THESE SHEETS SEE DETAILS OF INTERSECTIONS.

DATE	4-51
BY	N.L.C.
BY	R.S.
BY	J.J.B.
BY	J.J.B.
BY	J.J.B.
BY	J.J.B.

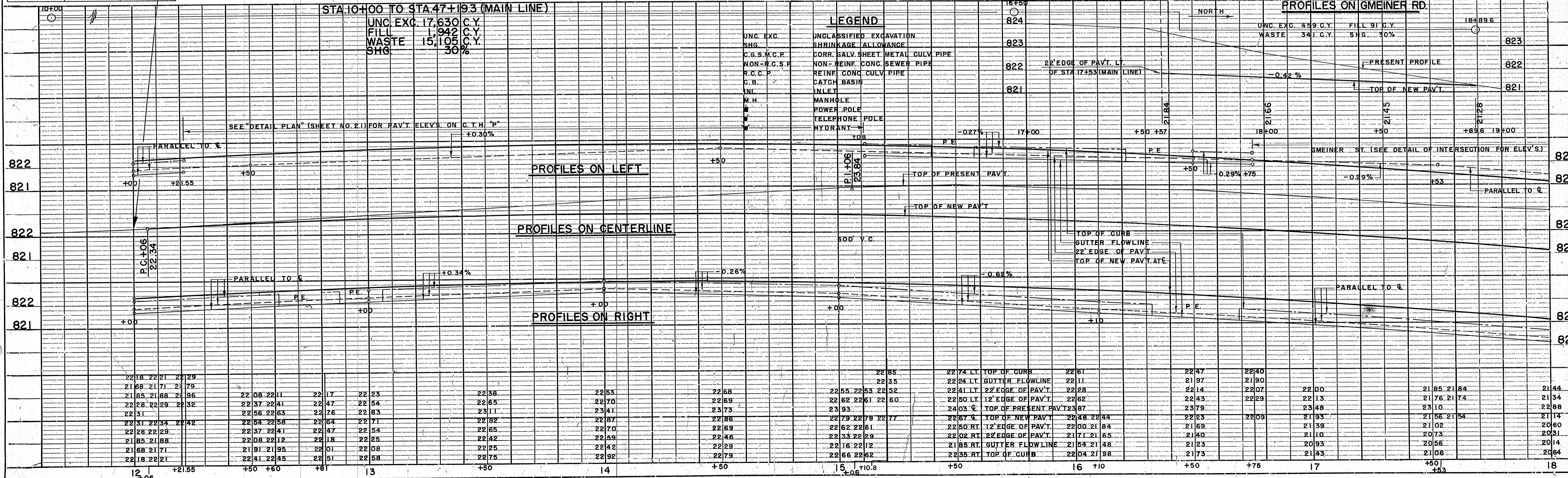


NET LENGTH OF CENTERLINE	
STATION TO STATION	LIN. FT.
12+00 18+00	600.0

STA. 12+00 BEG. OF PROJ. T 09-1(6)  
SEE SHEET NO. 2.1 FOR APPROACH CONSTR. LIMITS

**GENERAL NOTES**  
THE EXACT LOCATION OF ALL DRIVEWAYS SHALL BE DETERMINED BY THE ENGR. IN THE FIELD.  
PRIVATE UTILITY COMPANIES SHALL MAKE ALL NECESSARY ADJUSTMENTS TO FACILITIES OWNED BY THEM SUCH AS POWER POLES, TELEPHONE POLES, UNDERGROUND CONDUITS AND CONDUIT MANHOLES, GAS VALVES ETC.  
THE TOWNSHIP OF MENASHA SHALL MAKE ALL NECESSARY ADJUSTMENTS TO FACILITIES OWNED BY THEM SUCH AS WATER VALVES, MAINS, HYDRANTS ETC.  
THE C.Y. OF "FILL" AS SHOWN ON PLANS PERTAINS TO EMBANKMENTS CONSTRUCTED FROM UNCLASSIFIED EXCAVATION.

DATE	4-51
BY	N.L.C.
BY	R.S.
BY	J.J.B.
BY	J.J.B.
BY	J.J.B.
BY	J.J.B.



STATION	ELEV.	STATION	ELEV.	STATION	ELEV.	STATION	ELEV.	STATION	ELEV.
22 18	22 21	22 29	22 38	22 53	22 68	22 85	22 94	23 03	23 12
21 68	21 71	21 79	22 65	22 70	22 69	22 55	22 53	22 52	22 28
21 85	21 88	21 96	22 37	22 41	22 60	22 62	22 61	22 60	22 43
22 28	22 29	22 32	23 11	23 41	23 73	24 03	23 87	23 79	23 48
22 31	22 34	22 42	22 54	22 58	22 82	22 86	22 78	22 77	22 23
22 31	22 34	22 42	22 54	22 58	22 82	22 86	22 78	22 77	22 23
22 28	22 29	22 32	22 37	22 41	22 47	22 54	22 69	22 69	21 39
21 85	21 88	21 96	22 08	22 12	22 18	22 25	22 46	22 33	21 10
21 68	21 71	21 79	21 91	21 95	22 01	22 08	22 29	22 16	21 54
22 18	22 21	22 29	22 41	22 45	22 51	22 58	22 79	22 66	22 42

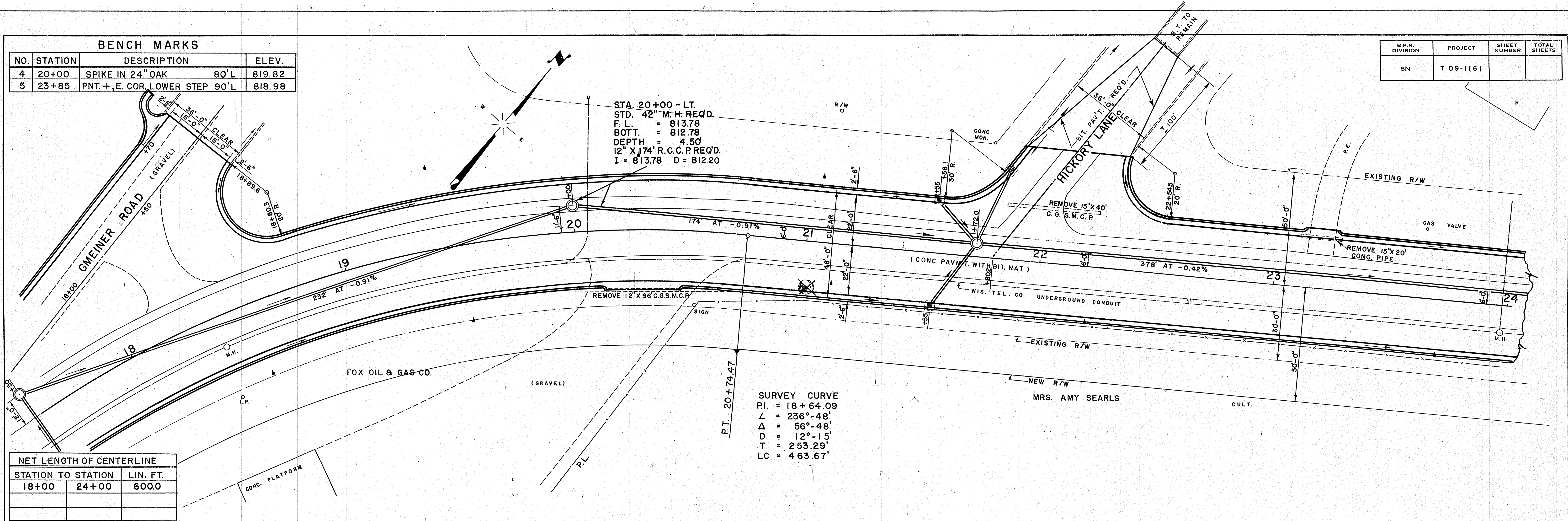
**BENCH MARKS**

NO.	STATION	DESCRIPTION	ELEV.
4	20+00	SPIKE IN 24" OAK 80'L	819.82
5	23+85	PNT. +, E. COR. LOWER STEP 90'L	818.98

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
SN	T 09-1(6)		

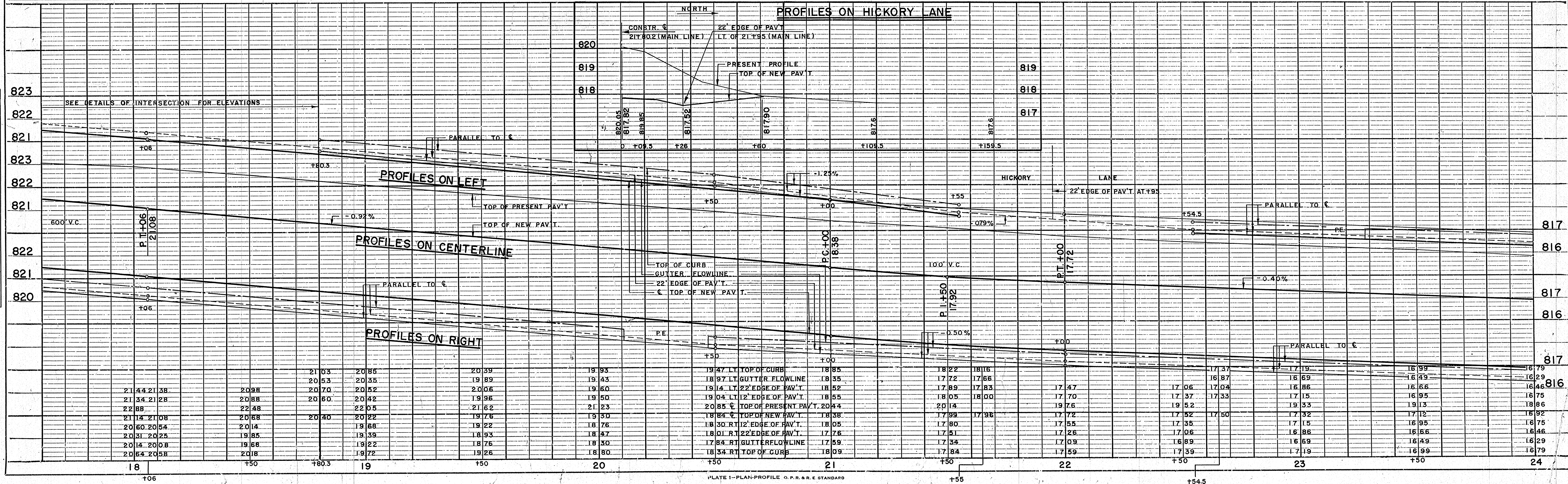
DATE: 11-51  
 BY: J.J.B.  
 SURVEYED: J.J.B.  
 PLOTTED: J.J.B.  
 CHECKED: J.J.B.  
 NOTE BOOK: NO. 9589  
 ALIGNMENT: RT. OF WAY CHECKED  
 PLAN: NO. 9589

DATE: 4-51  
 BY: J.J.B.  
 SURVEYED: J.J.B.  
 PLOTTED: J.J.B.  
 CHECKED: J.J.B.  
 NOTE BOOK: NO. 9589  
 PROFILE: STRUCTURE NOTATION'S CHECKED



**NET LENGTH OF CENTERLINE**

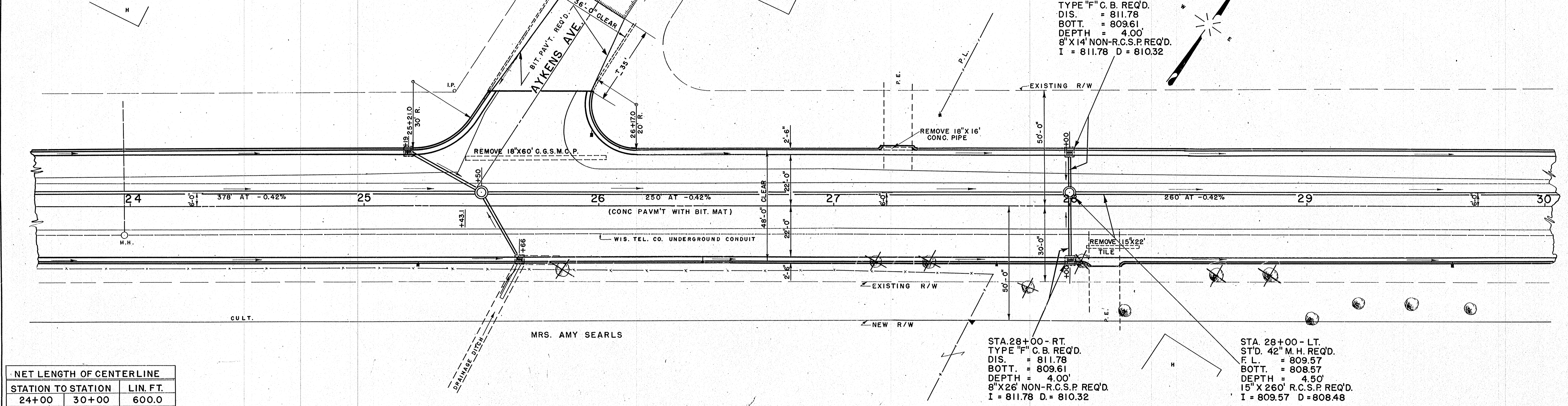
STATION TO STATION	LIN. FT.	
18+00	24+00	600.0



BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
6	27+75	SPIKE IN 12" HICKORY 75' R	817.69

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
5N	T 09-1 (6)		

DATE	4-51
BY	N. L. C.
BY	J. J. B.
DATE	11-51
BY	N. L. C.
BY	J. J. B.
DATE	11-51
BY	N. L. C.
BY	J. J. B.
DATE	11-51
BY	N. L. C.
BY	J. J. B.
DATE	11-51



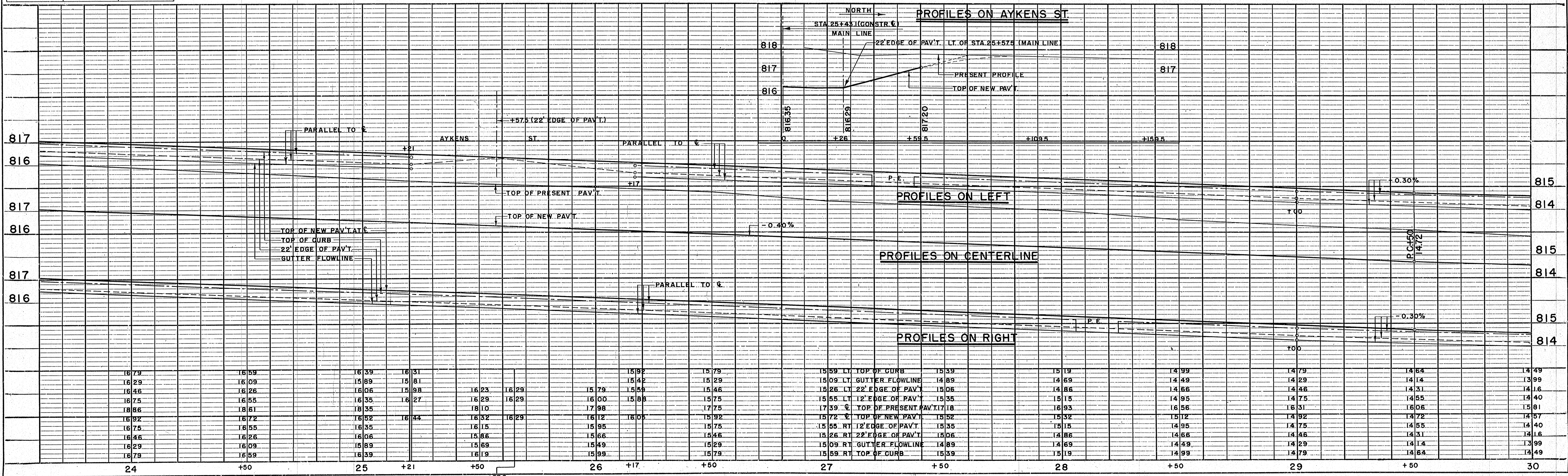
NET LENGTH OF CENTERLINE		
STATION TO STATION	LIN. FT.	
24+00	30+00	600.0

STA. 28+00 - LT.  
TYPE "F" C.B. REQ'D.  
DIS. = 811.78  
BOTT. = 809.61  
DEPTH = 4.00'  
8" X 14" NON-R.C.S.P. REQ'D.  
I = 811.78 D = 810.32

STA. 28+00 - RT.  
TYPE "F" C.B. REQ'D.  
DIS. = 811.78  
BOTT. = 809.61  
DEPTH = 4.00'  
8" X 26" NON-R.C.S.P. REQ'D.  
I = 811.78 D = 810.32

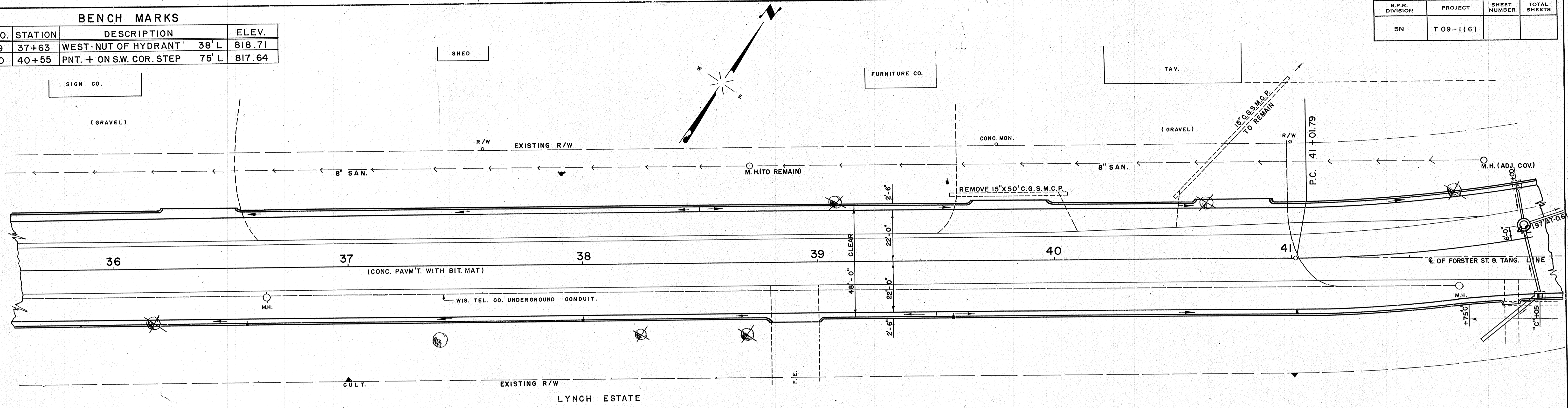
STA. 28+00 - LT.  
ST'D. 42" M.H. REQ'D.  
F.L. = 809.57  
BOTT. = 808.57  
DEPTH = 4.50'  
15" X 26" R.C.S.P. REQ'D.  
I = 809.57 D = 808.48

DATE	11-51
BY	N. L. C.
BY	J. J. B.
DATE	11-51
BY	N. L. C.
BY	J. J. B.
DATE	11-51
BY	N. L. C.
BY	J. J. B.
DATE	11-51

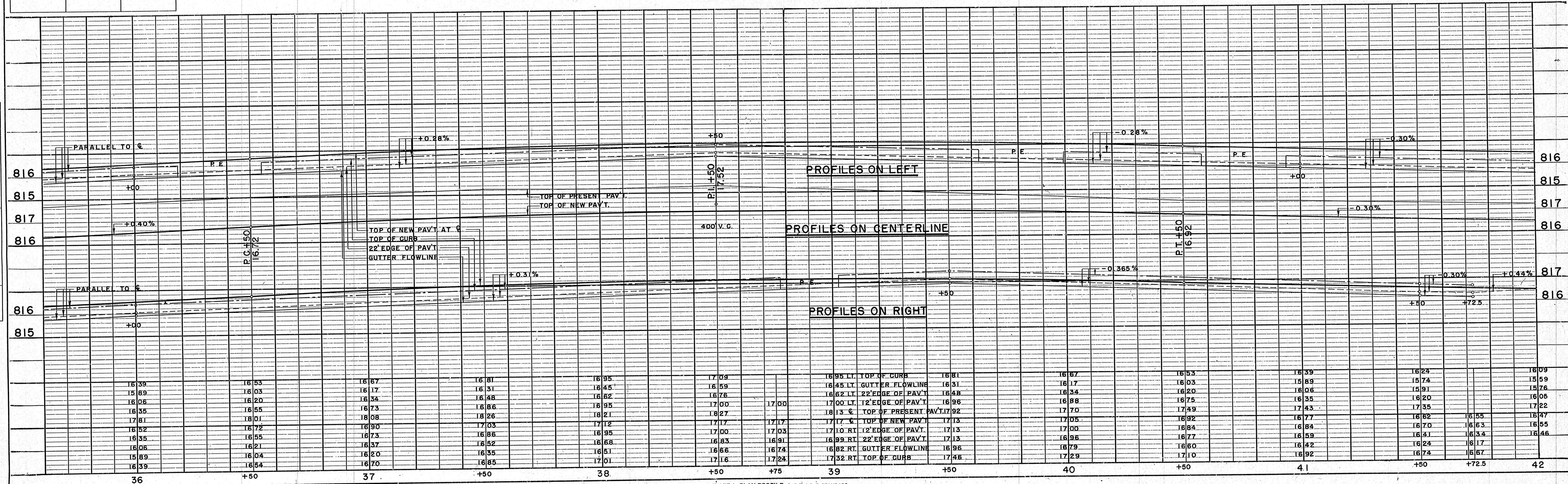


B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
5N	T 09-1(6)		

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
9	37+63	WEST NUT OF HYDRANT 38' L	818.71
10	40+55	PNT. + ON S.W. COR. STEP 75' L	817.64



NET LENGTH OF CENTERLINE		
STATION TO STATION	LIN. FT.	
36+00	42+00	600.0



DATE 4-51  
BY N.L.C.  
SURVEYED J.J.B.  
PLOTTED J.J.B.  
NOTE BOOK ALIGNMENT CHECKED  
RT. OF WAY CHECKED  
NO. 3586

DATE 4-51  
BY N.L.C.  
SURVEYED J.J.B.  
PLOTTED J.J.B.  
NOTE BOOK S.M. & NOTED  
STRUCTURE NOTATIONS CHKD.  
NO. 3586

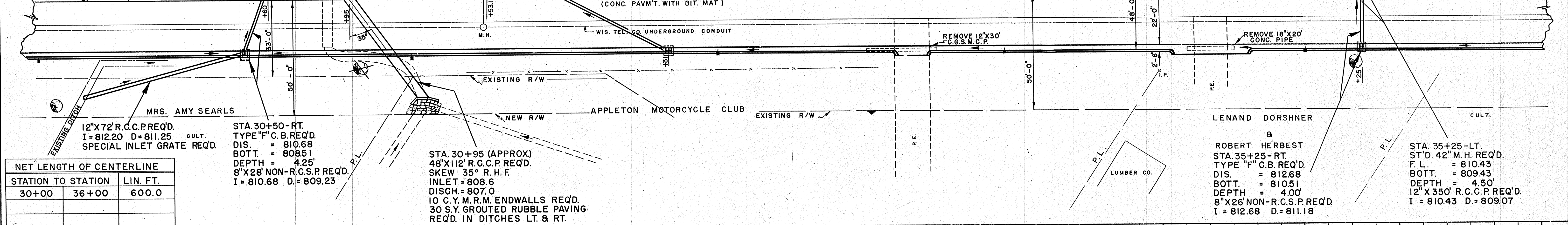
BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
7	30+75	SPIKE IN 12" HICKORY	42' L 814.03
8	33+37	" " " "	20' L 816.18

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
5N	T 09-1 (6)		

STA. 30+50-LT.  
TYPE "F" C.B. REQ'D.  
DIS. = 810.93  
BOTT. = 808.76  
DEPTH = 4.00'  
8"X17" NON-R.C.S.P. REQ'D.  
I = 810.93 D = 809.23

STA. 30+60-LT.  
ST'D. 42" M.H. REQ'D.  
F.L. = 808.48 R/W  
BOTT. = 807.48  
DEPTH = 4.75'  
15"X42" R.C.C.P. REQ'D.  
I = 808.48 D = 807.00

260' AT -0.42%  
30



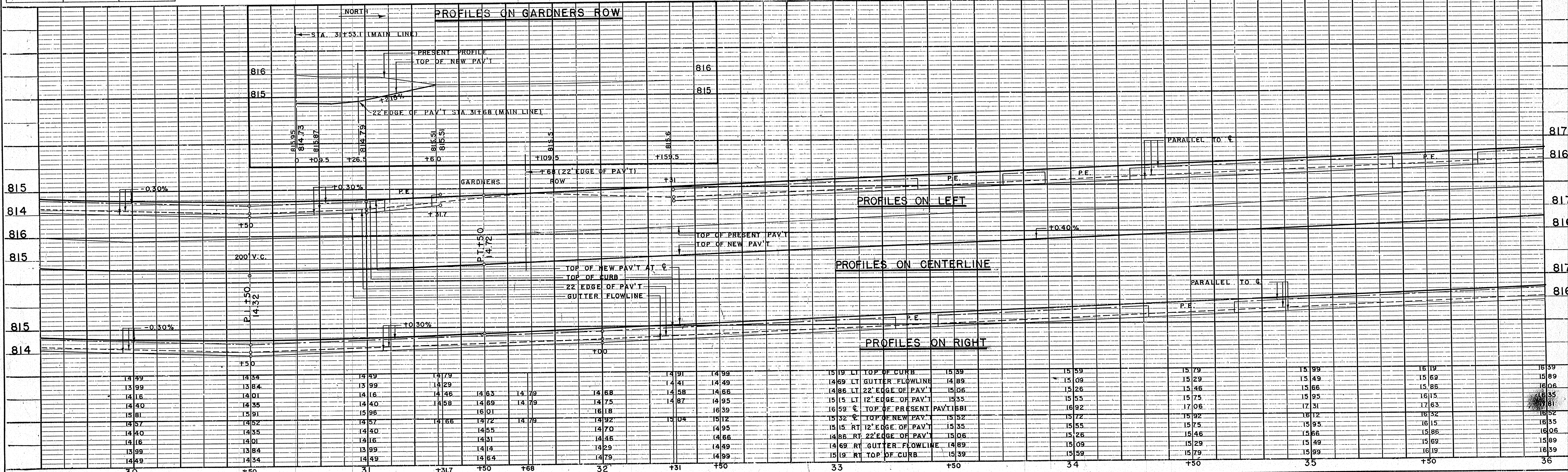
NET LENGTH OF CENTERLINE		
STATION TO STATION	LIN. FT.	
30+00	36+00	600.0

STA. 30+50-RT.  
TYPE "F" C.B. REQ'D.  
DIS. = 810.68  
BOTT. = 808.51  
DEPTH = 4.25'  
8"X28" NON-R.C.S.P. REQ'D.  
I = 810.68 D = 809.23

STA. 30+95 (APPROX)  
48"X112" R.C.C.P. REQ'D.  
SKEW 35° R.H.F.  
INLET = 808.6  
DISCH. = 807.0  
10 C.Y. M.R.M. ENDWALLS REQ'D.  
30 S.Y. GROUTED RUBBLE PAVING  
REQ'D. IN DITCHES LT. & RT.

STA. 35+25-LT.  
TYPE "F" C.B. REQ'D.  
DIS. = 812.68  
BOTT. = 810.51  
DEPTH = 4.00'  
8"X14" NON-R.C.S.P. REQ'D.  
I = 812.68 D = 811.18

STA. 35+25-RT.  
ST'D. 42" M.H. REQ'D.  
F.L. = 810.43  
BOTT. = 809.43  
DEPTH = 4.50'  
12"X350" R.C.C.P. REQ'D.  
I = 810.43 D = 809.07



DATE: 4-51  
BY: N.C.B.  
CHECKED: J.L.B.  
NO. 9586

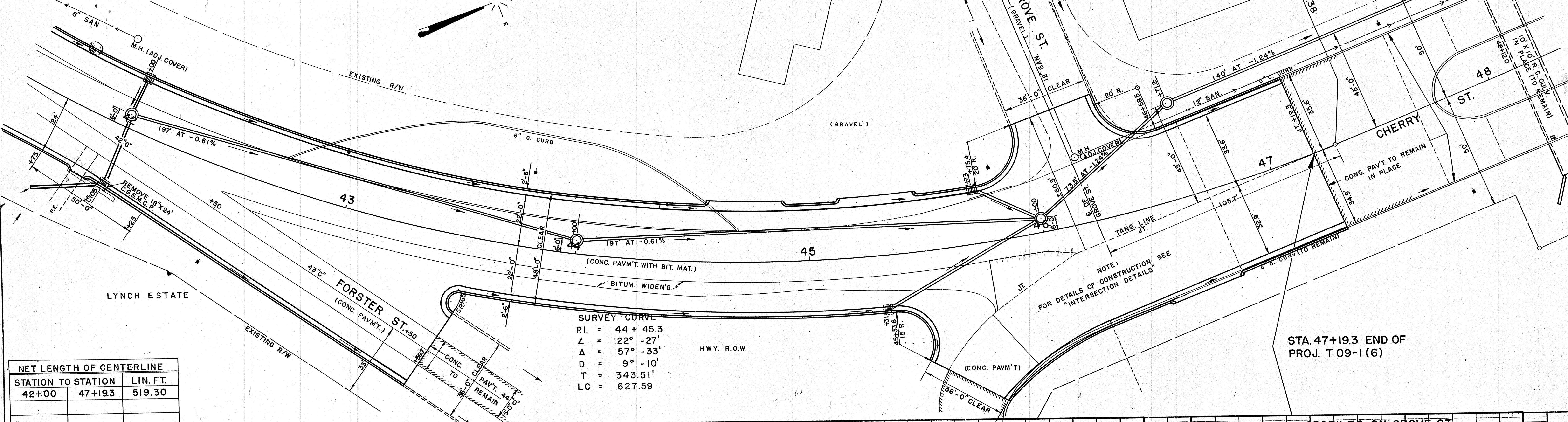
DATE: 4-51  
BY: N.C.B.  
CHECKED: J.L.B.  
NO. 9586



BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
11	44+30	SPIKE IN 10" ELM 24'R	816.79
12	49+18	WEST NUT ON HYDRANT 10'R	815.37

B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
5N	T 09-1(6)		

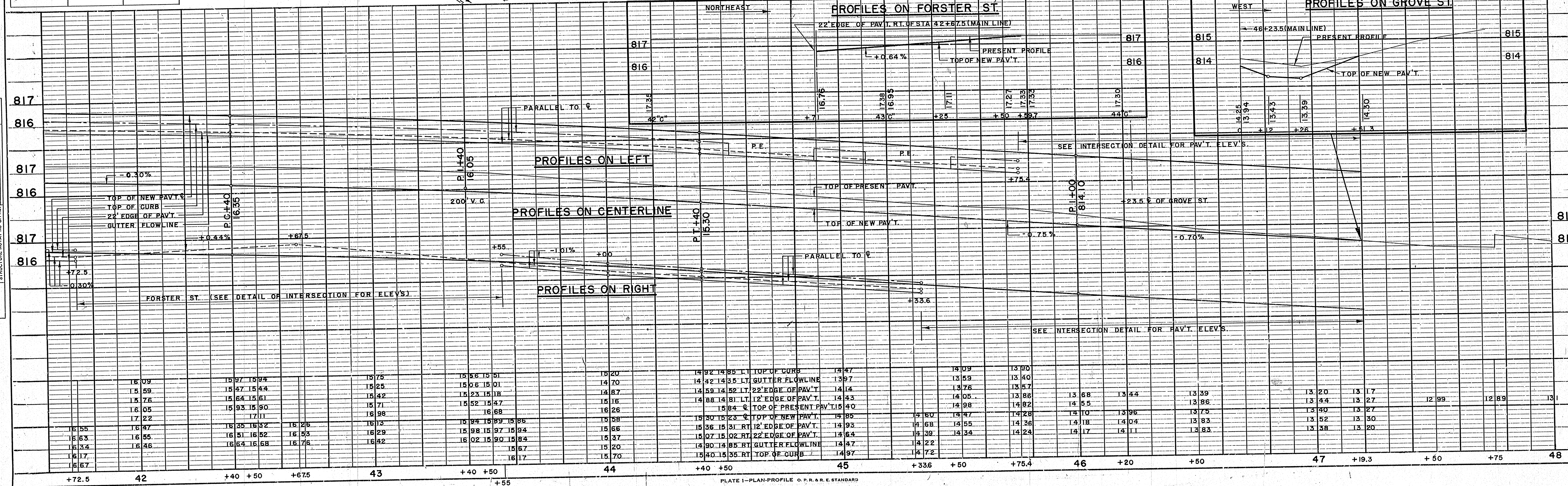
DATE	BY	BY	DATE
4-51	N.L.C.	N.L.C.	11-51
11-51	J.J.B.	J.J.B.	11-51



NET LENGTH OF CENTERLINE		
STATION TO STATION	LIN. FT.	
42+00	47+19.3	519.30

SURVEY CURVE  
 P.I. = 44 + 45.3  
 L = 122° - 27'  
 Δ = 57° - 33'  
 D = 9° - 10'  
 T = 343.51'  
 LC = 627.59

DATE	BY	DATE	BY
4-51	N.L.C.	11-51	N.L.C.
11-51	J.J.B.	11-51	J.J.B.



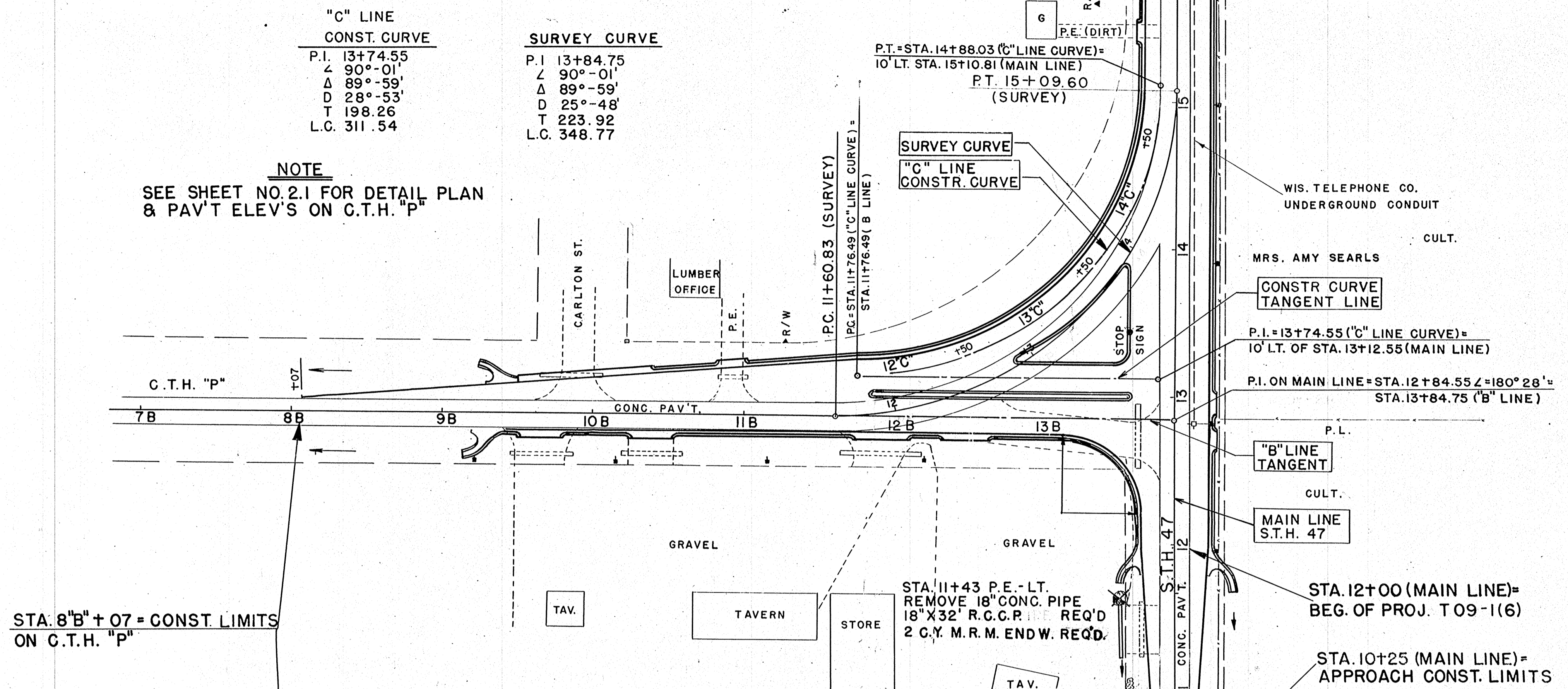
STATION	817	816	815	814	813
+72.5	16.09	15.59	15.76	16.05	17.22
42	15.97	15.47	15.64	15.93	17.11
+40 +50	15.94	15.44	15.61	15.90	17.05
+67.5	15.75	15.25	15.42	15.71	16.88
43	15.56	15.06	15.23	15.52	16.68
+40 +50	15.51	15.01	15.18	15.47	16.58
+55	15.20	14.70	14.87	15.16	16.26
44	14.92	14.42	14.59	14.88	15.98
+40 +50	14.85	14.35	14.52	14.81	15.84
+55	14.47	13.97	14.14	14.43	15.40
45	14.20	13.70	13.87	14.16	15.13
+33.6	14.09	13.59	13.76	14.05	14.98
+50	13.90	13.40	13.57	13.86	14.82
+75.4	13.68	13.18	13.35	13.64	14.60
46	13.50	13.00	13.17	13.46	14.47
+20	13.20	12.70	12.87	13.16	14.25
+50	13.00	12.50	12.67	12.96	14.12
47	12.80	12.30	12.47	12.76	13.99
+19.3	12.50	12.00	12.17	12.46	13.87
+50	12.30	11.80	11.97	12.26	13.75
+75	12.10	11.60	11.77	12.06	13.63
48	11.90	11.40	11.57	11.86	13.51

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.
1	9+25 "B"	SPIKE IN POWER POLE 33'R	818.79
2	13+00	PT. X ON CONG. TREE WELL 162'R	822.37

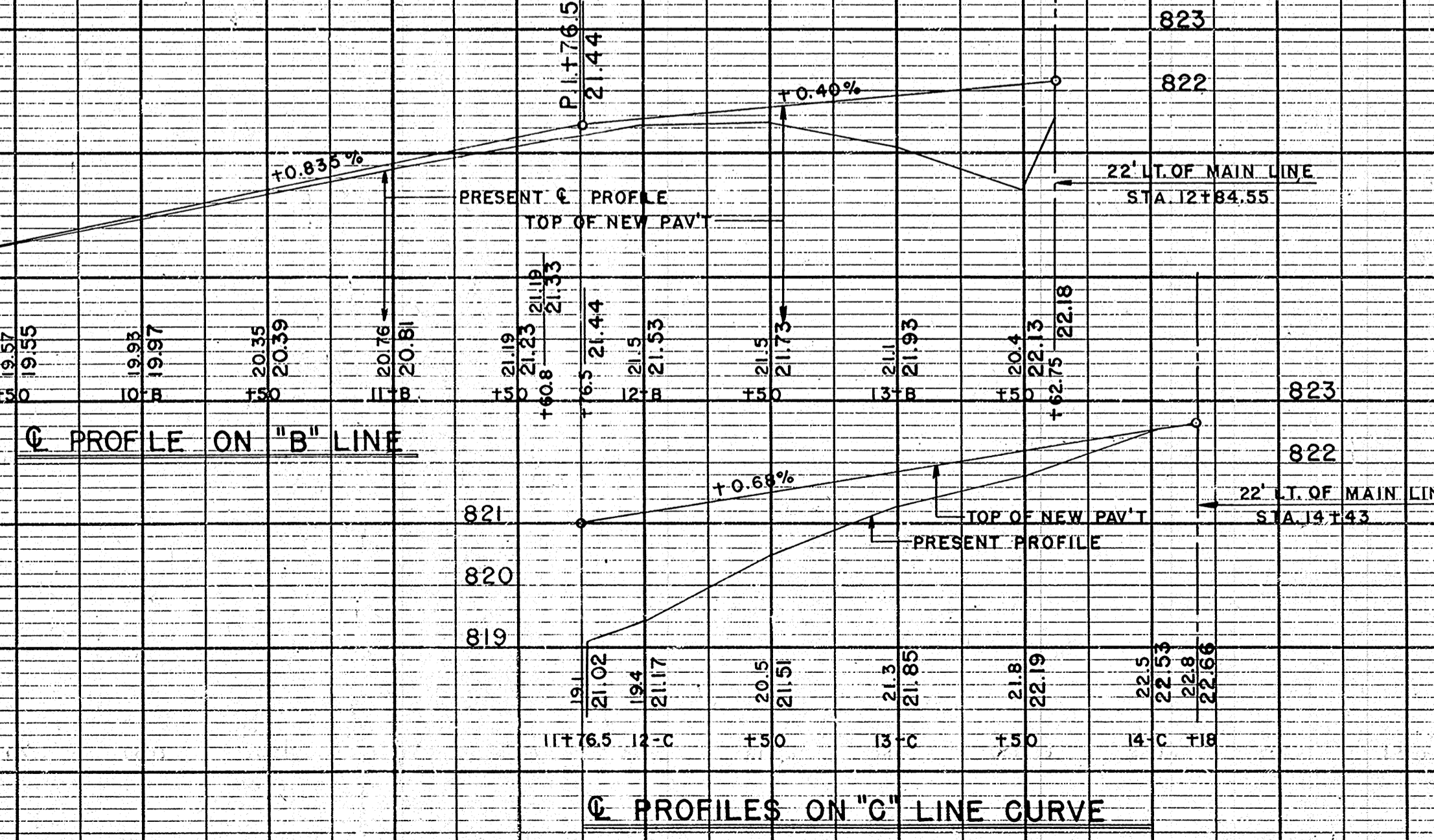
B.P.R. DIVISION	PROJECT	SHEET NUMBER	TOTAL SHEETS
5N	T 09-1(6)		

DATE	4-51
BY	N.L.C.
BY	D.J.B.
PLAN	
NO. 9.5.8.6	

DATE	4-51
BY	N.L.C.
BY	H.C.A.
BY	D.J.B.
PROFILE	
NO. 9.5.8.9	



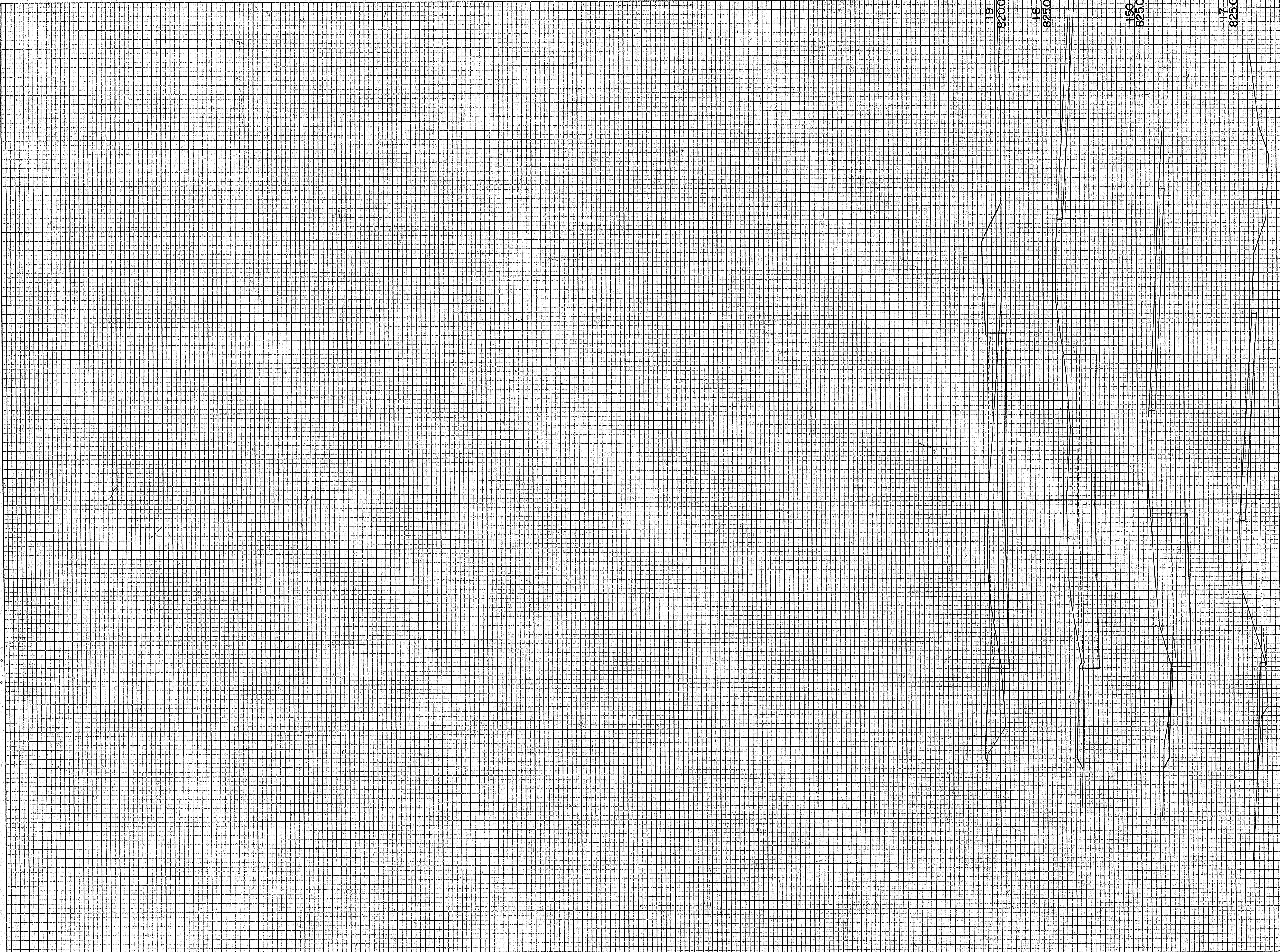
UNC. EXC	1228 C.Y.
FILL	225 C.Y.
WASTE	938 C.Y.
SHG.	30%



SECTIONS FOR GMEINER RD.

FINAL SURVEY SURVEYED, PLOTTED, NOTE BOOK, AREAS CHECKED. BY DATE

ORIGINAL SURVEY SURVEYED, PLOTTED, NOTE BOOK, AREAS CHECKED. BY DATE



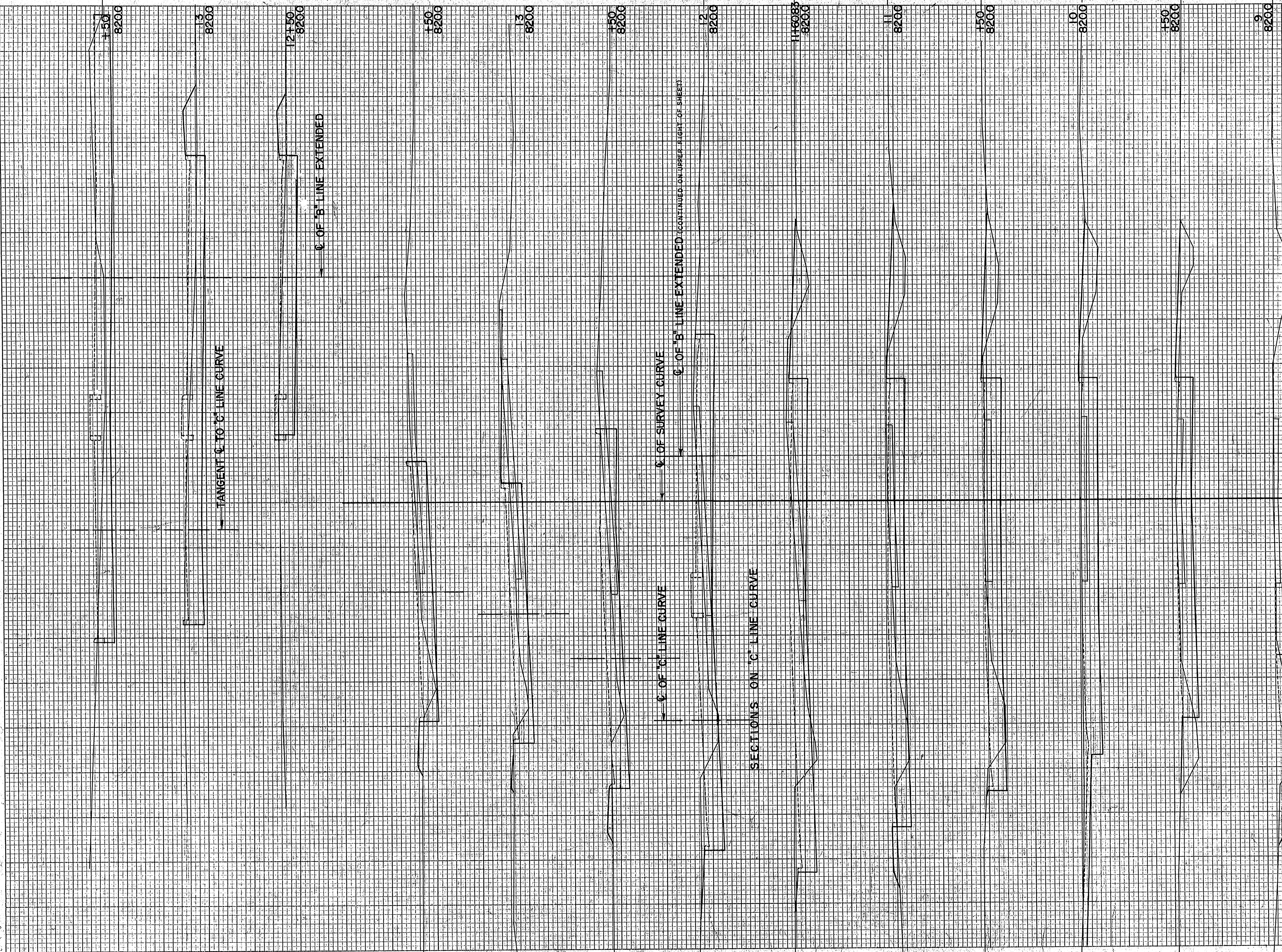
P.R.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	T 09 - 1(6)		

STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
		UNC.	
150			
7		9	6
150		63	7
8		143	6
157		244	72
TOTAL GMEINER RD.		459	91
SHEET TOTAL		459	91

P.R.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	T 09-1(6)		

FINAL SURVEY PLOTTED  
 SURVEYED BY DATE  
 TEMPLATE NO. 9589  
 AREAS CHECKED

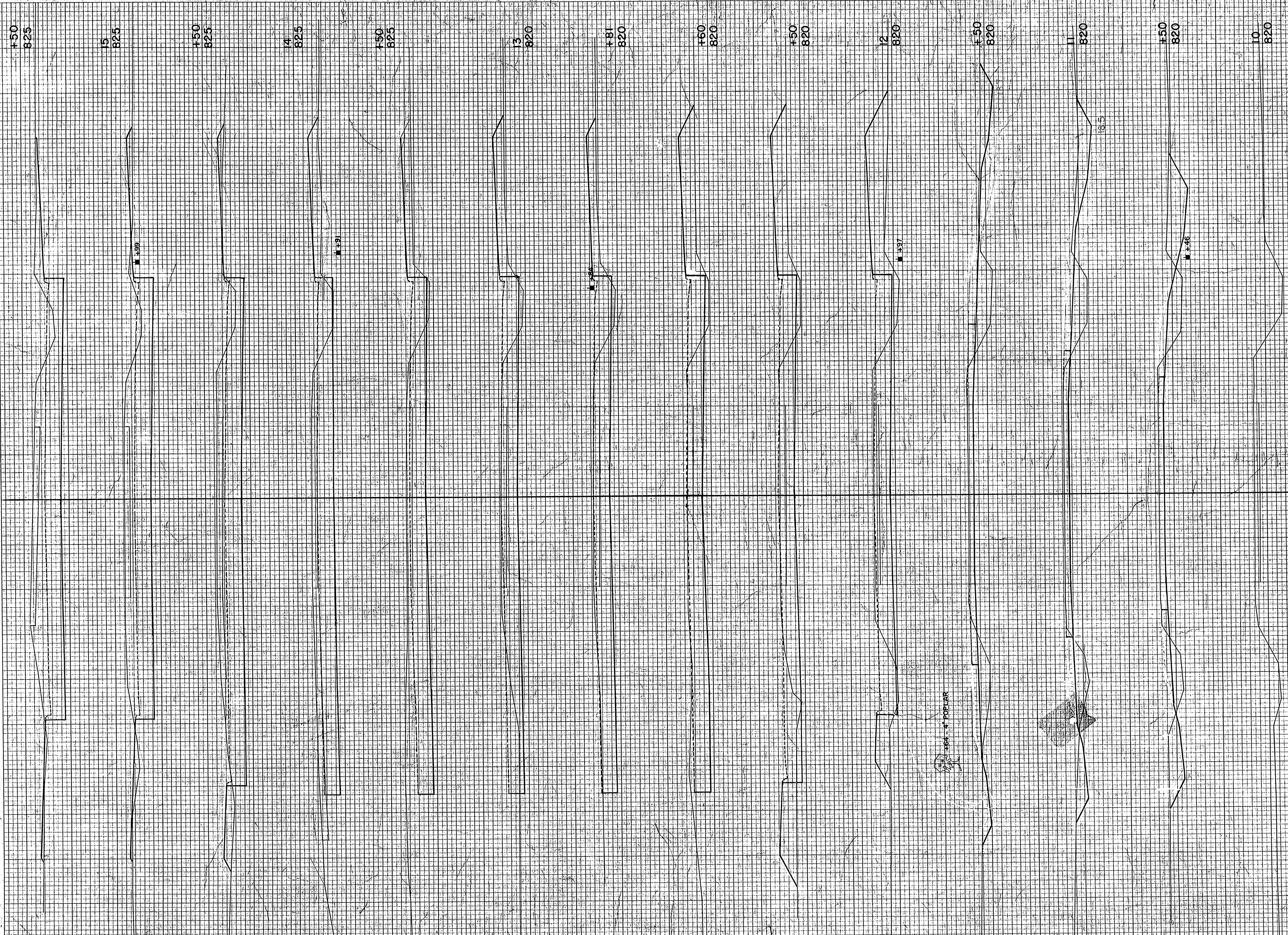
ORIGINAL SURVEY PLOTTED  
 SURVEYED BY DATE  
 TEMPLATE NO. 9589  
 AREAS CHECKED



STATION	DISTANCE	YARDAGE	
		EXCAVATION	
		UNC.	FILL
8	107		
9		26	11
+50		57	30
0		120	39
+50		120	30
1		94	33
16083		128	35
2		96	0
+50		96	2
3		56	4
+50		50	4
12			
+50		113	4
3		115	13
+50		157	9
<b>TOTAL - C. T. H. "P"</b>		<b>1228</b>	<b>223</b>
<b>SHEET TOTAL</b>		<b>1228</b>	<b>223</b>

FINISH SURVEYED BY DATE  
 SURVEY PLOTTED  
 NOTEBOOK NO. AREAS CHECKED

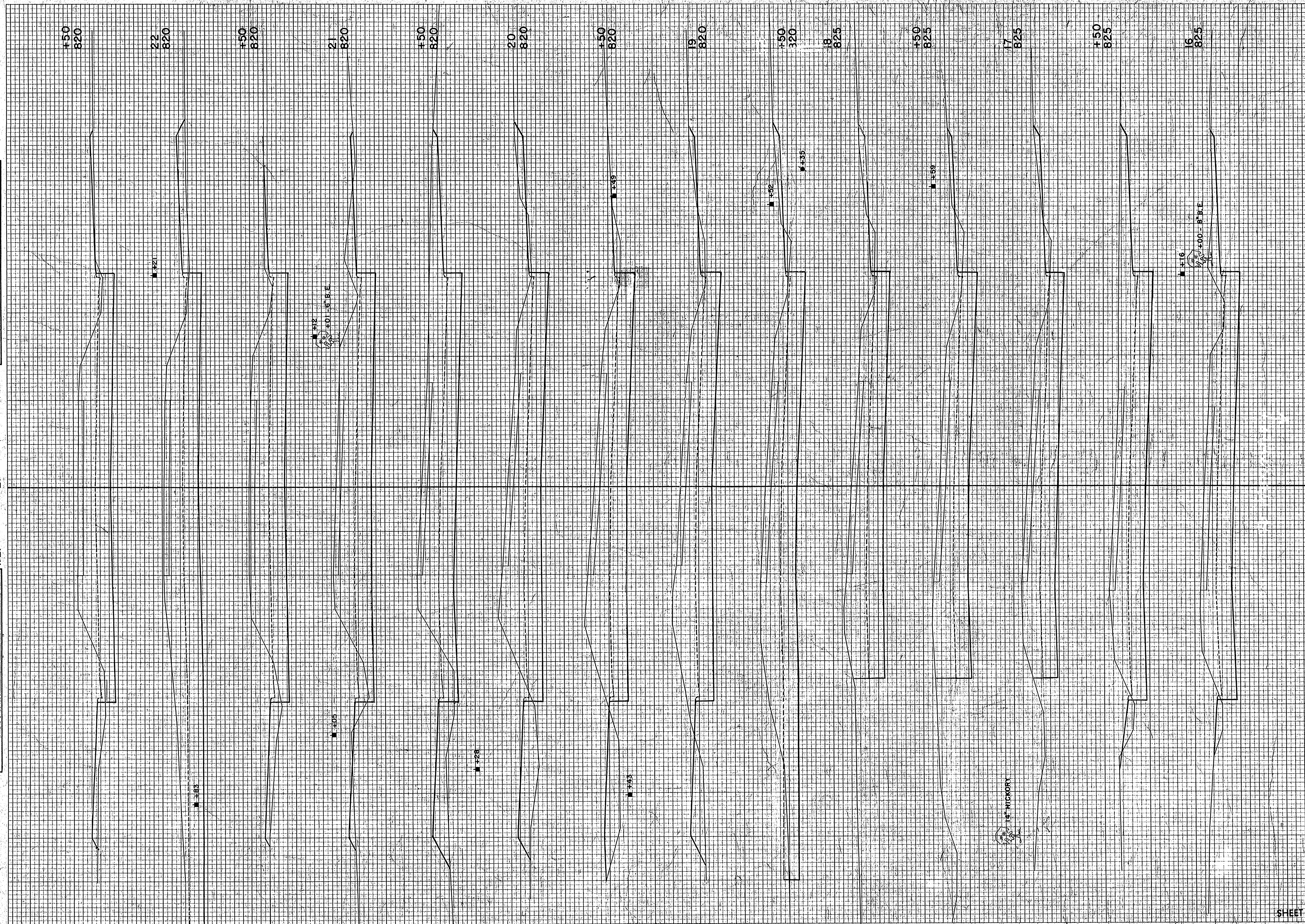
ORIGINAL SURVEYED BY DATE  
 SURVEY PLOTTED  
 NOTEBOOK NO. AREAS CHECKED



P.R.A. DISTRICT OFFICE		PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N		T 09-1(6)		
STATION	DISTANCE	YARDAGE		
		EXCAVATION	FILL	
		UNC.	FILL	
10		26	17	
+50		35	37	
11		24	44	
+50		63	93	
12		98	111	
+50		24	15	
+60		61	19	
+81		50	15	
3		159	37	
+50		183	31	
4		191	26	
+50		219	19	
5		237	9	
+50				
SHEET TOTAL		1370	473	

FINAL SURVEY  
 DRAWING NO. 55889  
 DATE 12-51  
 BY L.C.M.  
 CHECKED E.H.M.  
 PLotted AREAS CHECKED

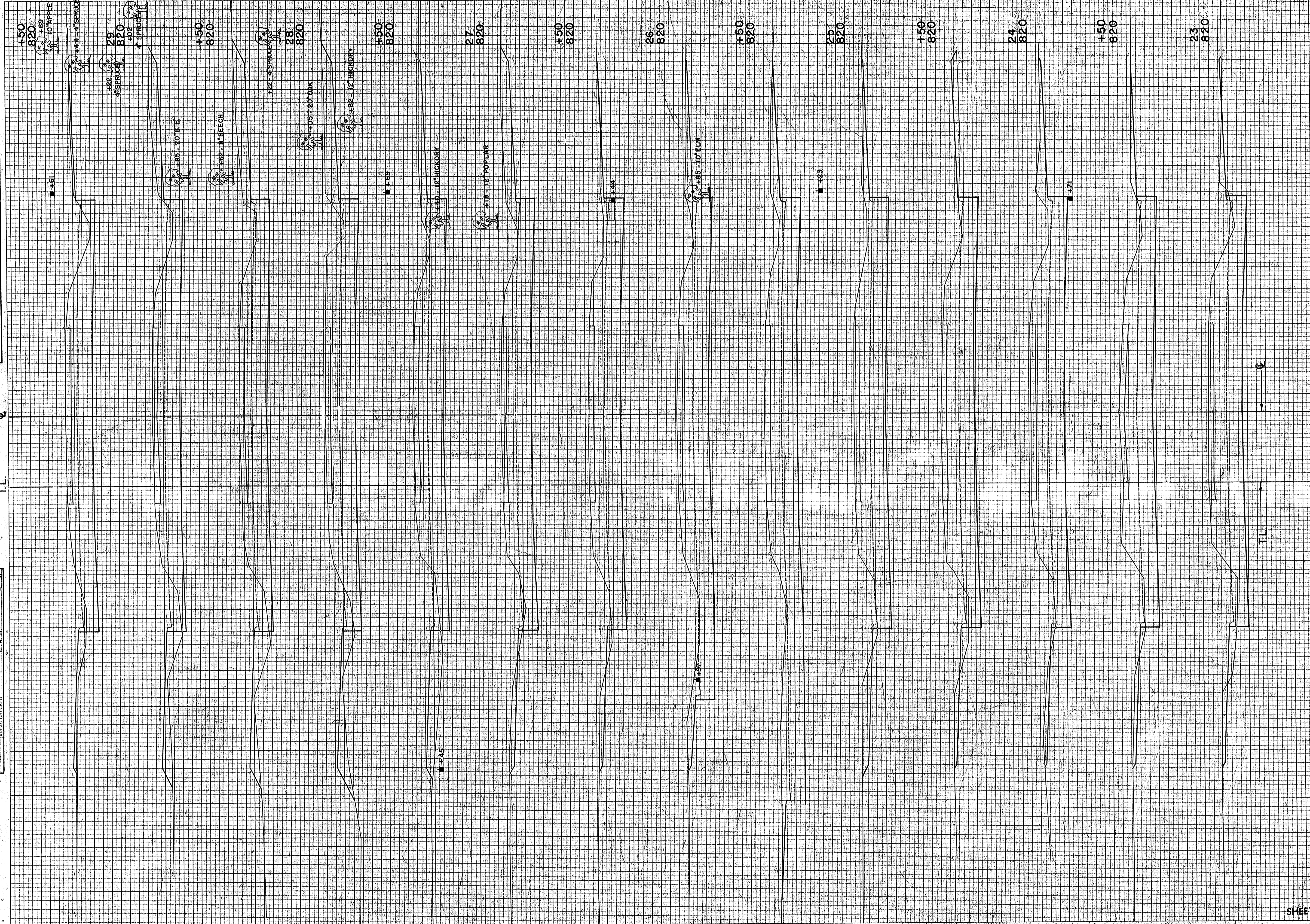
ORIGINAL SURVEY  
 DRAWING NO. 55889  
 DATE 12-51  
 BY L.C.M.  
 CHECKED E.H.M.  
 PLotted AREAS CHECKED



P.R.A. DISTRICT OFFICE		PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. SN		T09-1(6)		
STATION	DISTANCE	YARDAGE		
		EXCAVATION	FILL	
UNC.				
15				
+50				
	6	263	7	
	+50	304	7	
	17	291	7	
	+50	257	7	
	18	272	7	
	+50	324	6	
	19	335	22	
	+50	298	43	
	20	300	52	
	+50	309	54	
	21	300	35	
	+50	289	20	
	22	352	26	
	+50	337	28	
SHEET TOTAL		4231	321	

FINAL SURVEY SURVEYED BY DATE  
 NOTE BOOK NO. PLOTTED AREA  
 NO. AREAS CHECKED

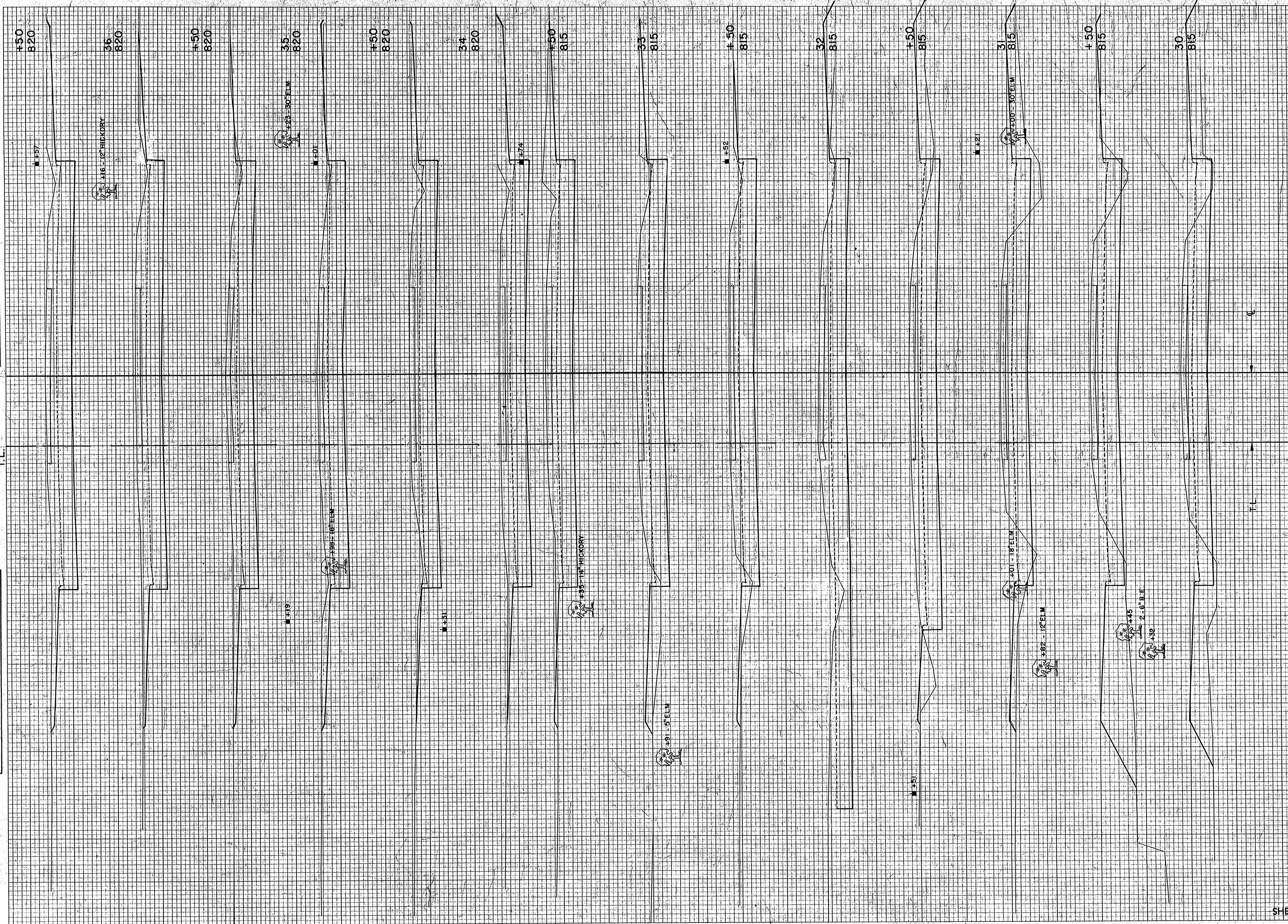
ORIGINAL SURVEY SURVEYED BY DATE  
 NOTE BOOK NO. PLOTTED AREA  
 NO. AREAS CHECKED



P.R.A. DISTRICT OFFICE		PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. SN		T 09-1(G)		
STATION	DISTANCE	YARDAGE		
		EXCAVATION	FILL	
		UNC.	FILL	
22	+50			
		263	20	
23		269	6	
+50				
24		280	2	
		281	13	
+50				
25		276	11	
		331	2	
+50				
26		344	0	
		291	2	
+50				
27		274	2	
		265	19	
+50				
28		265	33	
		265	30	
+50				
29		239	30	
		215	22	
+50				
SHEET TOTAL		3858	192	

FINAL SURVEY PLOTTED  
 NOTE BOOK NO. 3589  
 BY DATE  
 SURVEYED PLOTTED  
 TEMPLATE AREAS CHECKED

ORIGINAL SURVEY PLOTTED  
 NOTE BOOK NO. 3589  
 BY DATE  
 N.L.C. A.S.I.  
 H.H.S. 5-51  
 R.W.B. 12-51  
 E.A.H. 12-51  
 AREAS CHECKED



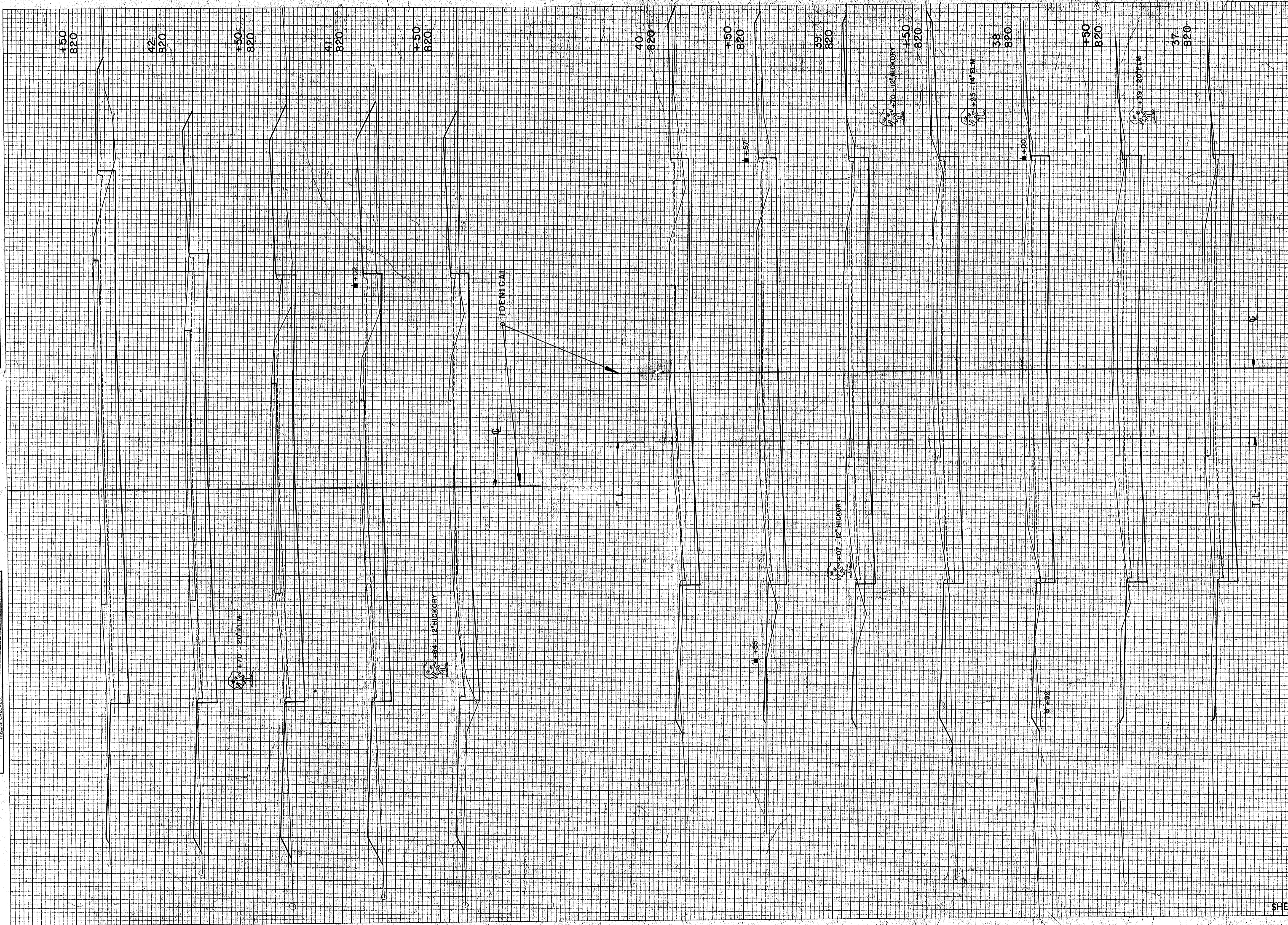
STATION		YARDAGE	
DISTANCE	UNC.	EXCAVATION	
		UNC.	FILL
29+50	187		69
30	180		126
+50	178		104
31	206		72
+50	285		44
32	278		20
+50	231		26
33	252		20
+50	276		4
34	261		0
+50	241		2
35	241		4
+50	252		2
36	278		0
+50			
SHEET TOTAL		3346	493

P.R.A. DISTRICT OFFICE  
 VIS. SN  
 PROJECT T08-1(6)  
 SHEET NUMBER  
 TOTAL SHEETS



FINAL SURVEY  
 SURVEYED BY  
 NOTE BOOK NO.  
 TEMPLATE AREAS CHECKED

ORIGINAL SURVEY  
 SURVEYED BY  
 NOTE BOOK NO.  
 TEMPLATE AREAS CHECKED

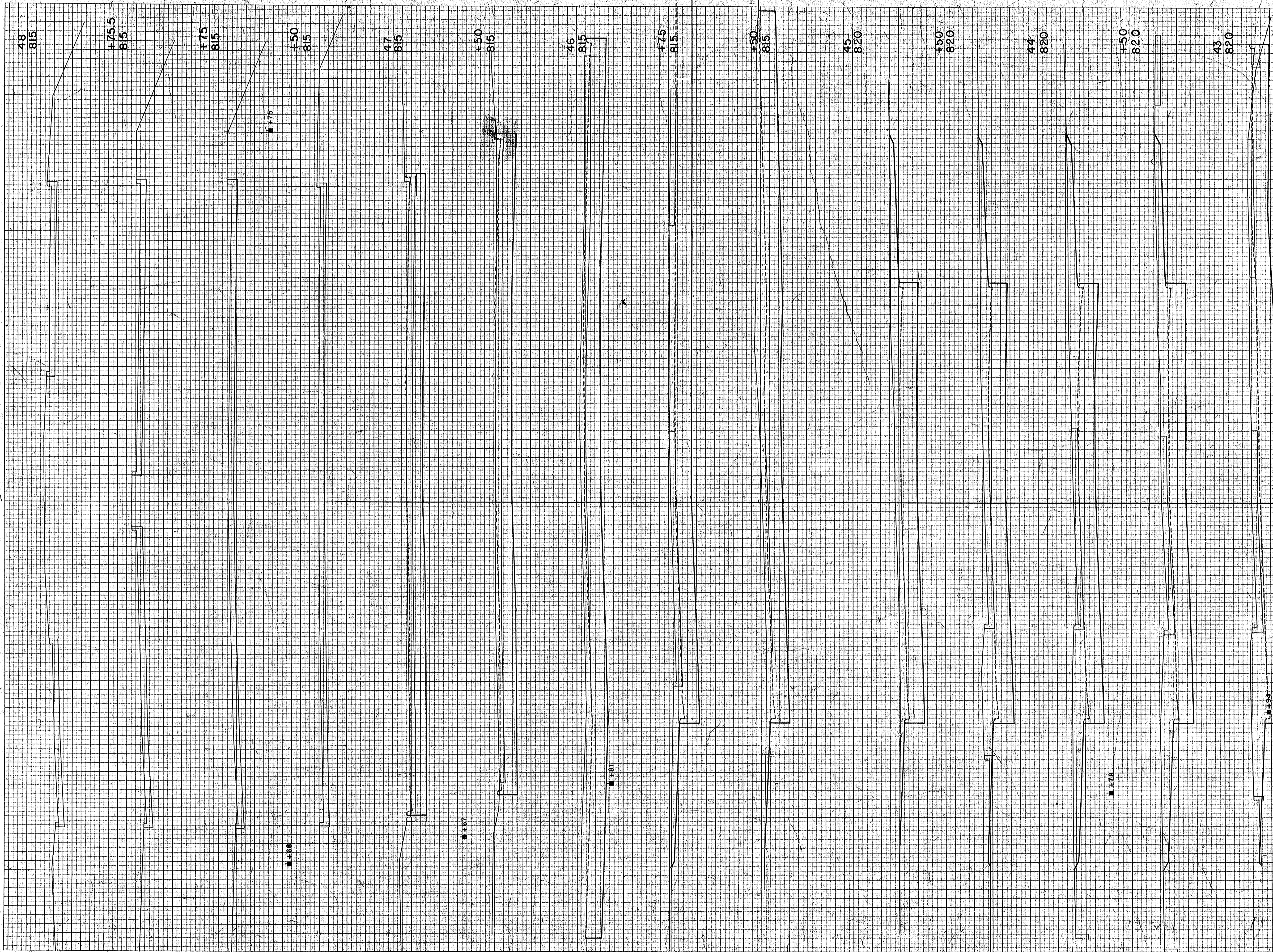


STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
UNC			
36+00			
37		267	0
37	150	237	2
38		224	13
38	150	224	26
39		217	28
39	150		
39		194	28
40	150	176	35
40		159	52
41	150	157	83
41		172	87
42	150	189	57
42		228	33
42	150		

SHEET TOTAL 2444 444

FINAL SURVEY  
 BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 NO. 9589 - AREAS CHECKED

ORIGINAL SURVEY  
 BY: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 NO. 9589 - AREAS CHECKED



P.R.A. DISTRICT OFFICE	PROJECT	SHEET NUMBER	TOTAL SHEETS
WIS. 5N	T 09 - 1(6)		

STATION	DISTANCE	YARDAGE	
		EXCAVATION	FILL
		UNC.	
42	+50		
		326	17
43		339	2
+50			
		272	0
44		256	0
+50			
		237	0
45		278	0
+50			
		135	0
+75			
		107	0
46		203	0
+50			
		169	0
47		59	0
+193			
SUMMARY			
TOTAL MAIN LINE		17,630	1,942
TOTAL C.T.H. "P"		1,228	223
TOTAL GMEINER RD.		459	91
UNDISTRIBUTED		183	
GRAND TOTAL		19,500	2,256
SHEET TOTAL		238	19